





ANNUAL REPORT

ON

METEOROLOGICAL

OBSERVATIONS

IN THE

Straits Settlements

FOR THE YEAR

~~1890~~ 1895

BY

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ANNUAL METEOROLOGICAL REPORT, STRAITS SETTLEMENTS,
FOR THE YEAR 1890.

This is the seventh report in which the Meteorological Observations, made in the Colony, have been shewn systematically.

2. The results are shewn in the attached abstracts, charts and returns, viz. :—

- (a) Annual abstracts of meteorological observations.
- (b) Annual abstracts of rainfall.
- (c) Tabular statement of the mean annual and monthly rainfall, and the mean number of rainy days, at Singapore, from 1869 to 1890.
- (d) Charts exhibiting the mean annual range of atmospheric pressure, of temperature, rainfall and the number of rainy days at Singapore, for the last ten years.
- (e) Monthly meteorological results.
- (f) Monthly rainfall results.

3. The following data deduced from the observations are both interesting and valuable :—

I.—ATMOSPHERIC PRESSURE.

Stations.	Highest.	Date.	Lowest.	Date.	Range for the year.	Mean for the year.
Singapore, ...	Ins. 30.095	30th Aug.	29.710	30th April.	.103	29.887
Penang, ...	30.017	1st Feb.	29.697	25th March.	.094	29.840
Province Wellesley, ...	29.998	18th Jan.	29.690	8th April.	.133	29.833
Malacca, ...	29.980	10th Dec.	29.713	8th Aug.	.011	29.815

II.—TEMPERATURE OF AIR.

Stations.	Highest.	Date.	Lowest.	Date.	Range for the year.	Mean for the year.
Singapore, ...	°F. 91.2	16th March.	67.5	10th July.	13.2	78.9
Penang, ...	93.0	20th April.	69.5	16th Nov.	13.9	80.0
Province Wellesley, ...	93.5	5th March.	70.0	26th Dec.	17.0	82.7
Malacca, ...	90.0	14th Jan.	65.4	22nd Dec.	13.4	81.8

III.—TEMPERATURE OF SOLAR RADIATION.

Stations.	Highest.	Date.	Lowest.	Date.	Mean.
Singapore, ...	°F. 164.0	15th March.	92.5	20th Sept.	145.5
Penang, ...	170.0	2nd April.	105.0	18th Jan.	147.0
Province Wellesley, ...	165.0	16th March.	96.0	18th Dec.	143.0
Malacca, ...	172.0	2nd May.	140.0	16th Feb.	156.0

IV.—TEMPERATURE OF NOCTURNAL RADIATION (ON GRASS).

Stations.	Highest.	Date.	Lowest.	Date.	Mean.
	°F.		°F.		°F.
Singapore, ...	73.9	21st April.	63.3	10th July.	70.3
Penang, ...	76.0	9th May.	65.0	26th Dec.	70.3
Province Wellesley, ...	70.0	10th Dec.	68.0	17th Dec.	69.4
Malacca, ...	74.0	1st July.	65.0	22nd Dec.	71.3

V.—RELATIVE HUMIDITY.

Stations.	Highest.	Date.	Lowest.	Date.	Mean.
	%		%		%
Singapore, ...	99	10th Dec.	54	28th April.	82
Penang, ...	100	9th March.	43	15th Jan.	81
Province Wellesley, ...	98	1st Dec.	56	17th Dec.	72
Malacca, ...	100	4th Jan.	64	14th Dec.	86

VI.—WIND. DIRECTION AND VELOCITY.

Singapore.

4. During January, February and March, North-East and North-West winds predominated, with frequent calms; during April and May, the directions were principally North-West, West-North-West and West; South-West prevailed during June, July and August; variables (West, North-North-West, and North-West) blew during September, October and November; the North-East monsoon set in in December.

5. Table shewing the wind directions in each month:—

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
NORTH.	I	...	I	...	I	...	I	...	...	...	10	5
N N E.	...	2	I	I	I	...	...	...	...	I	2	...
N E.	...	30	16	12	4	3	...	...	...	...	12	31
E N E.	...	...	I	...	...	I	...	I	...	...	...	...
EAST.	I	...	...	3	I	I	...	...	...	...	...	...
E S E.	...	...	I	...	...	...	...	...	...	...	...	I
S E.	...	...	...	I	4	2	...	...	3	...	I	I
S S E.	...	...	I	4	4	I	...	...	...	...	...	...
SOUTH.	...	I	...	I	I	I	5	I	2	I	...	...
S S W.	...	4	4	4	7	2	5	...	I	9	2	I
S. W.	...	...	...	...	...	21	31	27	4	...	...	...
W S W.	...	I	4	3	5	6	4	...	11	4	...	...
WEST.	3	2	...	10	9	7	12	20	20	14	6	5
W N W.	...	6	6	12	6	6	3	2	3	7	14	5
N W.	...	15	14	15	11	27	23	19	12	12	25	19
N N W.	...	6	8	9	3	I	2	3	...	2	7	I
CALM.	26	25	21	27	33	22	20	25	24	30	28	24

6. The mean velocity for the twelve months was 135 miles, and the greatest velocity in 24 hours was 193 miles, which was on the 4th December.

Penang.

7. The prevailing directions of the wind from January to June were North-East and North-West. During the latter half of the year North-West winds predominated.

8. The mean velocity was 73 miles, and the greatest velocity in 24 hours was 255 miles, which occurred on the 29th March.

Province Wellesley.

9. North-West winds blew during January and February and South-West from March to May, and in the other months South-South-West, North-North-East and North-East.

10. The mean velocity was 92 miles, and the greatest velocity in any one day was 175 miles, which was on the 4th February.

Malacca.

11. North-North-East and West-South-West winds were prevalent during the first six months of the year. In the other months, the directions were principally South, South-East and North-West.

12. The mean velocity was 171 miles, and the greatest in 24 hours was 178 miles, which was on the 26th December.

VII.—RAINFALL.

13. Rainfall was registered at 47 Stations during the year, 11 of which were in Singapore, 4 in Penang, 3 in the Dindings, 6 in Province Wellesley, and 23 in Malacca.

14. Incomplete returns were furnished by 3 Stations in Singapore, 1 in the Dindings, 2 in Province Wellesley, and 2 in Malacca.

Singapore.

15. One of the oldest rainfall stations, viz., the P. & O. Co.'s Depôt, New Harbour, furnished no returns for the last six months of the year. Registration at "Holme Chase" was discontinued in November, but was however kept up at 50-1 Grange Road, which is in the same neighbourhood.

16. More satisfactory results would be obtained, were the number of out-stations increased.

17. Except 1870, which registered a fall of 123.24 inches of rain, 1890 has recorded the greatest mean fall, viz., 117.78 inches, since 1869.

18. Compared with last year, the fall is greater by 33.65 inches, and the number of wet days by 32.

19. The heaviest fall and the greatest number of wet days occurred during the last half of the year, viz.:—

	RAIN.	WET DAYS.
January to June, ...	... 48.52 inches.	93
July to December, ...	... 69.26 , , ,	113

20. The greatest fall registered was at the Pauper Hospital, Saranggong, where a total of 132.53 inches was reached.

21. The maximum monthly fall, which was 22.28 inches, was registered at Lady Hill in July. Here also occurred the greatest fall in 24 hours, viz., 6.85 inches, which was on the 13th of the same month.

22. The falls during July were unprecedentedly heavy at all the stations.

23. The minimum monthly fall, which was 2.94 inches, was recorded at Holme Chase, for the month of May.

Penang.

24. The mean annual fall (139.69 inches) shews an increase of 29.67 inches over that for 1889 (110.02 inches).

25. As in the previous year, Government Hill reorded the heaviest fall, as much as 177.35 inches were registered there.

26. Here as at Singapore, July shewed the greatest monthly fall, viz., 35.96 inches, which was recorded at Balik Pulau. The minimum monthly fall, 0.31 inch, was registered at the same station in December.

27. The greatest fall in 24 hours, viz., 8.95 inches, occurred at Government Hill, on the 28th September.

The Dindings.

28. A new station was opened at Lumut, the headquarters of this Settlement, in February.

29. The mean fall was 82.29 inches, as against 93.05 inches in 1889, a decrease of 10.76 inches.

30. The greatest fall (91.69 inches) was registered at Pangkor, where was recorded also the maximum monthly fall, viz., 11.85 inches, in August.

31. The minimum fall was in December, viz., 0.41 inch, recorded at Bruas.

32. The heaviest fall in 24 hours (4.50 inches) was registered at Pangkor, on the 11th August.

Province Wellesley.

33. The observations were taken at Bukit Mertajam from August, the old station at Bukit Minyak being closed.

34. The mean fall was 100.40 inches, shewing an increase of 6.39 inches over that of the previous year (94.01 inches).

35. The greatest fall was 117.73 inches, which was at Butterworth.

36. The maximum fall in any one month was 25.00 inches, which was in October, and occurred in Bertam. This station recorded also the minimum fall, viz., 0.42 inch, which was registered in December.

37. The greatest fall in 24 hours was 10 inches, which occurred on the 29th July, at Bertam.

Malacca.

38. Two new stations were opened during 1890, viz., at Bukit Bruang and Ayer Keroh, by which the number of stations rose to 23.

39. The mean annual fall was 72.29 inches, against 87.67 inches in 1889, a decrease of 15.38 inches.

40. The greatest fall was 141.97 inches, which was registered at Kwala Linggi. This station also recorded the maximum monthly fall, viz., 20.50 inches, which was in January, and also the greatest fall in 24 hours, which was 8.50 inches, on the 13th December.

41. The lowest monthly fall, viz., 0.20 inch, was in June, at Batu Berendam.

Summary.

42. *January.*—Wet in Singapore, Penang, the Dindings, and Province Wellesley. In Malacca dry, excepting the Districts of Merlemau, Machap, Kesang, Pangkalan Balak, Nyalas, and Kwala Linggi.

43. *February.*—Wet in Singapore and Penang. In the Dindings dry, excepting Pangkor. Dry in Province Wellesley, excepting Butterworth and Bukit Minyak. Wet in certain Districts in Malacca, notably Bukit Bruang and Sungai Udang.

44. *March.*—Wet in Singapore and the Dindings. Dry in the other Settlements.

45. *April.*—Wet in Singapore, Penang, the Dindings and Province Wellesley. In Malacca, excepting the Districts of Nyalas, Kwala Linggi, Sungai Rambai and Merlemau, dry.

46. *May*.—Dry in Singapore. Wet in Penang, the Dindings and Province Wellesley. In Malacca very dry, with the exception of the District of Kwala Linggi.

47. *June*.—Wet in Singapore (excepting St. John's Island). Dry in Penang (excepting Government Hill). Very dry in the Dindings. In Province Wellesley, excepting the District of Sungei Bakap, dry; also in Malacca, except in the Districts of Batang Tiga, which were comparatively wet.

48. *July*.—Very wet in Singapore, particularly from the 10th to the 15th, when 12.84 inches of rain were registered at the observatory. Very heavy and frequent falls occurred in Penang, the Dindings and Province Wellesley. Wet in Malacca, but very little rain was registered in the Districts of Jelotong, Sungei Udang, Kesang, Pulau Sebang and Batu Berendam.

49. *August*.—Wet in Singapore, Penang, the Dindings and Province Wellesley. Very wet in Malacca.

50. *September*.—Wet in Singapore, the Dindings and Malacca. In Penang and Province Wellesley very wet.

51. *October*.—Wet throughout the Settlements, particularly in Penang and Province Wellesley. In the Districts of Sungei Udang and Batu Berendam in Malacca dry.

52. *November*.—Very wet in Singapore, particularly in the Saranggong District. Unusually dry in Penang, the Dindings and Province Wellesley.

53. *December*.—Wet in Singapore and in the District of Kwala Linggi in Malacca. Dry in the other Settlements.

54. Before concluding this report, I take the opportunity of thanking Messrs. MCRITCHIE, KNIGHT, RAUCH and DOWN, who have kindly furnished me with monthly rainfall returns from their respective stations.

MAX. F. SIMON,
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Straits Settlements.

Annual Abstract of Meteorological Observations, taken at the Kandang Kerbau Hospital, Observatory, Singapore, in Lat. $1^{\circ} 17'$ N., Long. $103^{\circ} 51'$ E., for the year 1890. Height of Bar: Cistern, 10 feet above sea level.

Months.	Barometrical Readings corrected and reduced to 32° Fah.				Temperature of Air.						Temper- ature of Radiation.	Wind.	Temperature of Evaporation.			Computed Vapour Tension.			Relative Humidity.	Proportion of Clouds. 0 to 10.						
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.			9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.						
January, ...	Ins. 29.913	Ins. 29.812	Ins. 29.888	Ins. 29.871	79.9° F.	83.3° F.	75.9° F.	77.9° F.	84.6	72.5	12.1	138.9	70.0	N E.	Miles 136	76.3° F.	77.0° F.	74.7° F.	76.0	Ins. .854	Ins. .859	Ins. .844	% % % %	Ins. 8.77	6 7 6	
February, ...	.949	.833	.918	.900	81.8	82.4	76.5	78.2	86.2	72.3	13.9	152.5	69.5	N E.	139	77.2	77.0	75.0	76.4	.869	.852	.850	.857	79 77 92 83	12.47	4 6 6
March, ...	.912	.791	.885	.863	82.9	84.2	77.8	79.6	87.5	73.0	14.5	151.4	69.6	N W. & N E.	136	78.0	78.2	76.4	77.5	.896	.890	.879	.888	79 73 92 81	9.91	4 5 4
April, ...	.917	.808	.883	.869	83.8	84.1	77.8	79.9	87.8	73.9	13.9	150.4	70.9	N W.	135	78.7	77.9	76.5	77.7	.926	.823	.889	.846	80 73 92 82	7.97	4 5 3
May, ...	.896	.797	.869	.854	84.9	85.1	78.6	80.7	88.1	74.3	13.8	148.9	71.3	N W.	135	79.1	79.0	77.4	78.5	.895	.910	.909	.905	78 76 91 82	3.37	5 5 2
June, ...	.898	.814	.874	.862	83.5	85.8	79.7	80.8	87.2	74.3	12.9	144.1	71.6	S W.	136	78.5	79.0	77.2	78.2	.922	.905	.872	.899	80 74 89 81	6.31	5 6 5
July, ...	.920	.850	.911	.894	81.6	83.1	78.2	78.9	85.4	72.6	12.8	140.8	69.8	S W.	137	76.4	76.8	75.9	76.4	.851	.849	.865	.855	79 76 90 82	20.76	7 8 7
August, ...	.938	.848	.903	.896	81.9	82.4	77.6	78.7	84.2	72.9	11.3	139.6	70.5	S W.	136	77.0	76.9	75.5	76.5	.887	.850	.860	.866	82 79 91 83	8.09	6 7 6
September, ...	.932	.817	.896	.882	80.5	84.0	77.7	78.8	85.2	73.1	12.1	143.7	71.1	W. & W S W.	133	76.9	77.5	75.9	76.8	.876	.854	.874	.866	85 73 92 83	8.29	7 7 7
October, ...	.949	.829	.908	.895	81.1	83.5	77.1	78.6	85.8	72.8	13.0	143.2	70.7	W. & N W.	133	76.7	77.6	75.8	76.7	.858	.869	.869	.865	80 76 93 83	9.07	6 7 6
November, ...	.963	.857	.939	.919	81.2	81.8	76.3	77.9	85.6	72.4	13.2	144.5	70.2	N W. & N E.	132	76.7	76.5	75.0	76.1	.859	.889	.856	.868	81 80 91 84	13.43	6 7 7
December, ...	.959	.859	.929	.916	80.2	82.2	75.9	77.4	85.6	71.2	14.4	147.1	68.8	N E. & N W.	134	76.5	76.9	74.5	75.9	.857	.847	.857	.848	83 75 93 84	11.67	5 7 5
Mean, ...	29.929	29.826	29.907	29.887	81.9	83.5	77.4	78.9	86.1	72.9	13.2	145.5	70.3	...	135	77.3	77.6	75.8	76.9	.879	.866	.869	.871	80 76 91 82	Total. 120.11	6 6 5

* The mean Temperature is computed from results of the Observations at 9 H. 15 H. 21 H. and Minimum Temperature.

Annual Abstract of Meteorological Observations, taken at Penang, in Lat. $5^{\circ} 24'$ N., Long. $100^{\circ} 20'$ E., for the year 1890.
Height of Bar: Cistern, 20 feet above sea level.

Months.	Barometrical Readings corrected and reduced to 32° Fah.				Temperature of Air.								Temper- ature of Radiation.	Wind.	Temperature of Evaporation.				Computed Vapour Tension.				Relative Humidity.	Proportion of Clouds. 0 to 10							
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	* Mean.	Maximum.	Minimum.	Range.	In the Sun.			Miles	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	Ins.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.
January, ...	Ins. 29.924	Ins. 29.820	Ins. 29.886	Ins. 29.876	°F. 80.9	°F. 85.1	°F. 78.7	°F. 82.2	°F. 87.8	°F. 74.1	°F. 13.7	°F. 164.0	°F. 70.1	N.E.	89	75.6	76.0	75.3	72.0	Ins. .809	Ins. .757	Ins. .823	Ins. .796	% 76	% 63	% 83	% 74	Ins. 6.60	4	5	5
February, ...	.902	.808	.823	.844	82.1	86.2	77.6	79.9	88.3	73.8	14.4	149.2	70.8	N.W.	101	75.8	77.3	75.6	72.4	.812	.816	.852	.826	73.65	88.75	75	8.90	5	6	8
March, ...	.879	.762	.847	.829	83.0	88.1	79.5	81.3	90.4	74.7	15.7	152.3	71.6	S.	91	77.0	79.2	77.4	72.0	.854	.848	.911	.871	75.66	89.76	76	1.57	3	5	4
April, ...	.873	.761	.848	.827	84.6	87.6	80.7	82.1	90.4	75.7	14.7	154.0	72.6	N.E.	65	78.8	79.5	77.6	73.5	.910	.902	.915	.881	76.68	89.80	80	12.11	4	6	6
May, ...	.856	.759	.825	.813	83.7	87.0	80.9	81.7	89.6	75.4	14.2	149.2	73.3	N.W.	57	78.5	79.4	77.1	73.9	.906	.903	.915	.885	78.70	89.82	82	11.92	4	5	6
June, ...	.841	.764	.825	.810	83.1	85.5	78.8	80.6	87.8	74.4	13.4	143.3	71.7	N.E.	57	77.9	78.4	76.3	71.6	.892	.880	.874	.850	79.72	89.82	82	6.67	4	6	5
July, ...	.874	.780	.852	.837	81.3	84.9	77.9	79.4	87.6	73.6	14.0	141.8	70.7	N.W.	65	76.5	77.3	75.5	70.9	.854	.838	.849	.815	79.65	89.80	80	20.42	6	6	5
August, ...	.867	.798	.843	.836	81.6	83.6	78.3	81.1	86.4	73.7	12.7	143.0	71.8	S.	60	76.2	77.3	75.9	71.2	.831	.848	.858	.838	87.75	91.80	80	7.98	5	6	7
September, ...	.859	.793	.850	.834	81.7	83.1	79.5	81.2	87.3	74.4	12.9	143.5	71.2	N.W.	99	76.6	77.4	76.6	71.0	.846	.866	.871	.861	78.76	87.80	80	26.11	6	7	7
October, ...	.882	.811	.864	.852	80.5	81.0	78.5	78.0	85.0	73.5	11.6	144.0	69.0	N.W.	76	77.0	77.0	76.0	71.5	.882	.875	.865	.894	85.83	89.86	86	27.80	7	7	8
November, ...	.913	.810	.871	.864	81.5	84.0	79.0	81.5	88.0	73.0	15.0	148.0	69.5	N.W.	112	76.5	76.5	77.5	70.5	.846	.863	.858	.846	78.85	87.83	83	5.47	5	6	6
December, ...	.900	.806	.883	.863	81.2	84.8	78.0	79.4	87.8	73.7	14.1	149.7	69.1	N.W.	104	75.9	76.5	75.1	70.9	.830	.809	.797	.77	76.85	85.79	79	3.50	4	5	5
Mean, ...	29.881	29.787	29.851	29.840	82.1	85.0	78.9	80.0	88.0	74.1	13.9	147.0	70.3	...	73	76.8	77.6	76.3	75.6	.856	.850	.868	.837	78.71	88.81	Total 139.05	5	6	6		

* The mean Temperature is computed from results of the Observations at 9 H. 15 H. 21 H. and Minimum Temperature.

Annual Abstract of Meteorological Observations, taken at Province Wellesley, in Lat. $5^{\circ} 22' N.$, Long. $100^{\circ} 30' E.$, for the year 1890.

Height of Bar: Cistern, 43 feet above sea level.

Months.	Barometrical Readings, corrected and reduced to 32° Fah.				Temperature of Air.						Temper- ature of Radiation.	Wind.	Temperature of Evaporation.			Computed Vapour Tension.			Relative Humidity.			Rainfall during the month.			Proportion of Clouds. 0 to 10.				
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.			9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.			
January, ...	Ins. 29.909	Ins. 29.802	Ins. 29.868	Ins. 29.859	$^{\circ}F.$ 82.7	$^{\circ}F.$ 87.4	$^{\circ}F.$ 77.8	80.0	$^{\circ}F.$ 89.7	$^{\circ}F.$ 72.4	$^{\circ}F.$ 17.3	133.5	69.1	N W.	Miles 92	$^{\circ}F.$ 77.2	$^{\circ}F.$ 78.8	$^{\circ}F.$ 74.1	$^{\circ}F.$ 76.7	Ins. .852	Ins. .863	Ins. .796	Ins. .837	% 73	% 67	% 84	% 75	Ins. 5.68	5 5 3
February, ...	.944	.765	.871	.860	82.5	87.9	78.5	80.2	90.6	71.8	18.8	145.5	67.9	N W.	70	78.0	79.0	75.3	77.3	.854	.863	.829	.847	77	66	85	76	7.23	4 4 3
March, ...	.922	.782	.862	.855	83.4	88.6	81.5	81.6	91.8	73.3	18.5	153.4	68.8	S & S W.	66	77.3	79.6	76.7	77.8	.835	.880	.847	.857	74	66	79	63	3.84	4 5 5
April, ...	.866	.760	.826	.817	84.6	87.8	79.9	81.5	90.7	74.9	15.8	142.0	71.5	S W.	78	79.5	80.4	76.3	78.5	.945	.938	.858	.914	79	71	84	78	7.75	3 4 7
May, ...	.915	.724	.838	.826	83.0	85.9	84.1	80.6	90.3	73.3	17.0	148.0	69.7	S & S W.	72	77.1	78.4	75.7	77.0	.848	.865	.824	.844	76	70	80	75	7.85	3 5 5
June, ...	.872	.747	.831	.816	82.4	85.8	79.5	80.2	89.2	72.8	16.4	151.9	69.3	N N E.	123	77.0	78.9	75.4	77.0	.847	.888	.819	.851	76	72	81	76	5.09	2 4 4
July, ...	.866	.742	.830	.812	83.3	87.4	79.9	80.8	89.4	72.8	16.5	146.9	69.0	N N E.	111	77.2	78.3	75.2	76.9	.853	.847	.807	.834	72	65	79	73	12.39	2 4 6
August, ...	.887	.760	.845	.830	81.9	86.8	83.2	80.2	89.3	72.7	16.6	141.7	69.2	N E.	117	77.2	78.1	75.3	76.9	.861	.866	.823	.850	78	67	82	75	6.86	4 4 6
September, ...	.873	.743	.826	.813	82.5	84.2	78.4	79.6	89.3	72.9	16.4	135.0	69.4	N N E.	118	77.9	78.3	75.0	77.0	.898	.893	.819	.817	80	76	85	80	11.28	5 6 6
October, ...	.900	.772	.861	.844	81.6	81.5	79.0	79.6	89.0	72.3	16.7	134.0	69.2	N E.	119	77.4	78.0	74.8	76.7	.885	.854	.804	.847	81	69	81	77	20.33	4 6 7
November, ...	.893	.771	.838	.830	80.9	87.2	79.4	79.9	90.3	72.5	17.7	145.5	68.8	S S W.	132	76.1	78.3	75.7	76.7	.836	.847	.830	.838	79	65	82	75	4.84	2 5 5
December, ...	.872	.757	.872	.833	83.0	85.0	77.0	81.0	89.0	73.0	16.0	133.0	72.0	S W.	13	78.0	79.0	76.0	77.0	.893	.911	.886	.896	79	76	95	83	3.10	4 3 6
Mean, ...	29.893	29.760	29.847	29.833	82.5	86.2	79.5	82.7	89.8	72.8	17.0	143.0	69.4	...	92	75.8	78.7	75.4	76.6	.867	.853	.843	.854	73	70	74	72	Total 96.24	3 4 5

* The mean Temperature is computed from results of Observations at the 9 H. 15 H. 21 H. and Minimum Temperature.

Annual Abstract of Meteorological Observations, taken at Malacca, in Lat. $2^{\circ} 10'$ N., Long. $102^{\circ} 14'$ E., for the year 1890.
Height of Bar: Cistern, 12 feet above sea level.

Months.	Barometrical Readings corrected and reduced to 32° Fah.				Temperature of Air.						Temper- ature of Radiation.	Wind.	Temperature of Evaporation.	Computed Vapour Tension.	Relative Humidity.	Proportion of Clouds. 0 to 10.										
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	* Mean.	Maximum.	Minimum.																
January,	Ins. 29.805	Ins. 29.800	Ins. 29.807	Ins. 29.804	$^{\circ}$ F. 80.9	$^{\circ}$ F. 83.9	$^{\circ}$ F. 81.8	80.4	87.8	75.2	12.6	153.4	72.2	NNE.	Miles 195	$^{\circ}$ F. 78.6	$^{\circ}$ F. 80.2	$^{\circ}$ F. 79.1	79.3	Ins. .905	Ins. .985	Ins. .959	$^{\circ}$ 964	90 85 86 87	Ins. 3.57	1 3 7
February,	.821	.803	.812	.812	81.7	85.0	82.7	81.2	87.3	75.4	11.9	156.1	71.8	NN E.	182	78 9	80.6	79.5	79.7	.955	.988	.981	.975	88 81 87 85	5.51	2 2 6
March,	.812	.805	.811	.809	82.6	84.2	82.5	81.0	87.5	74.9	12.6	158.0	72.0	NN E.	151	79.8	80.6	79.6	80.0	.976	.999	.981	.986	86 84 88 86	3.18	1 3 6
April,	.812	.808	.816	.812	83.1	84.5	82.6	81.5	87.3	76.0	11.3	158.2	71.5	SSW.	164	79.8	81.3	78.8	80.3	.977	1.033	.983	.997	86 86 87 86	3.29	1 2 7
May,	.795	.779	.766	.769	80.7	82.8	79.7	81.6	87.7	74.6	13.0	158.1	71.3	WSW.	169	78.8	81.6	77.1	78.6	.844	1.088	.944	.975	91 86 91 90	4.64	1 2 6
June,	.869	.824	.809	.811	81.1	84.8	81.5	82.4	86.5	75.1	11.4	158.8	71.5	WSW.	165	79.6	81.8	79.2	80.2	.946	1.073	.971	1.003	92 86 90 89	7.25	1 1 7
July,	.805	.808	.805	.805	82.0	81.8	82.0	82.9	87.5	75.2	12.3	157.4	72.0	WSW.	209	79.3	81.1	79.6	80.0	.966	1.014	.979	.986	87 84 89 87	7.10	3 3 7
August,	.833	.790	.832	.818	81.2	85.5	81.0	82.2	87.0	71.3	12.6	154.5	71.3	N. & W S W.	135	79.0	80.9	78.2	79.4	.964	.993	.946	.931	83 80 91 87	12.90	3 3 8
September,	.797	.805	.801	.801	81.0	84.8	82.9	80.9	87.9	74.9	13.0	158.1	71.6	SS E.	175	78.9	80.7	78.8	79.5	.961	1.002	.959	.974	90 84 92 89	7.26	2 1 7
October,	.843	.819	.814	.831	81.1	84.7	80.4	82.0	87.8	75.1	12.6	158.3	71.3	SSW.	177	78.3	81.0	78.3	77.3	.983	1.005	.936	.969	90 80 91 88	8.49	3 3 7
November,	.810	.810	.783	.809	81.3	84.0	80.9	82.2	87.2	80.0	17.2	153.6	71.1	WSW.	171	78.3	79.9	77.1	78.1	.903	.950	.946	.960	88 85 89 80	6.35	3 4 6
December,	.883	.904	.888	.890	82.7	84.0	84.2	83.6	87.4	70.4	17.0	157.0	70.6	NW. & W.	158	77.8	78.8	77.8	77.8	.888	.917	.948	.917	79 79 86 81	2.80	1 2 4
Mean,	... 29.823	29.812	29.812	29.815	81.6	84.0	81.8	81.8	87.4	74.0	13.4	156.0	71.3	...	171	78.9	80.7	79.0	79.5	.942	1.003	.961	.968	87 83 88 86	Total 72.34	1 2 6

* The mean Temperature is computed from results of the Observations at the 9 H. 15 H. 21 H. and Minimum Temperature.

Annual Abstract of Rainfall, Straits Settlements, for the year 1890.

Months.	SINGAPORE.												PENANG.						THE DINDINGS.																																					
	P. & O. Co.'s Depôt, New Harbour.			General Hospital, Sepoy Lines.			Kandang Kerbau Hos- pital Observatory.			Pauper Hospital, Sarang- gong Road.			Water-works Reser- voir, Thompson Road.			Quarantine Station, St. John's Island.			Holme Chase.			Botanic Gardens.			50-1, Grange Road.			Greatest Rainfall in 24 hours.			Fort Cornwallis.			Central Prison.			Government Hill.			Balik Pulau.			Greatest Rainfall in 24 hours.			Lumut.			Pangkor Hospital.			Bruas.			Greatest Rainfall in 24 hours.	
January,	Inches. 7.61	Inches. 12.57	Inches. 8.77	Inches. 10.67	Inches. 10.18	Inches. 9.33	Inches. 5.07	Inches. 9.43	Inches. 19.33	Inches. 9.73	Inches. 2.76	Inches. 5.78	Inches. 6.60	Inches. 8.17	Inches. 6.81	Inches. 2.77	Inches. Not re- gistered.	Inches. 11.08	Inches. 8.97	Inches. 3.77																	
February,	9.91	9.05	12.47	12.66	14.03	13.70	6.47	10.64	8.49	10.84	2.83	9.64	8.90	11.47	8.74	3.25	4.97	6.24	4.71	1.78																		
March,	8.69	6.82	9.91	8.08	10.90	6.99	4.11	6.81	7.58	7.66	3.95	1.02	1.57	3.05	3.36	1.26	6.76	6.32	6.08	2.18																		
April,	8.85	4.26	7.97	12.32	11.38	6.98	6.46	10.11	8.71	7.99	2.87	6.43	12.11	14.61	11.17	3.50	4.29	8.43	6.92	3.57																			
May,	6.37	4.87	3.37	3.73	6.80	4.91	5.60	4.72	2.94	6.58	2.09	7.82	11.92	16.32	12.27	3.32	5.41	7.11	8.91	3.79																			
June,	5.13	6.61	5.93	6.40	6.02	4.81	6.88	7.42	7.21	2.02	5.06	6.67	11.38	5.40	5.00	0.59	0.83	4.66	3.25	... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
July,	17.68	20.76	18.52	17.70	21.14	14.84	21.84	21.88	22.38	6.85	13.74	20.42	29.91	20.98	8.10	7.07	9.05	11.29	4.20	... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
August,	8.05	8.09	7.85	7.99	9.35	13.63	11.65	10.62	9.74	2.97	5.12	7.98	14.61	9.25	3.77	9.92	11.85	7.85	4.50	... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
September,	7.02	8.29	7.36	8.22	8.62	7.95	8.75	7.49	8.21	3.00	20.74	26.11	31.15	19.33	8.95	5.81	9.33	6.59	2.62	... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
October,	8.46	9.07	12.46	10.50	8.79	10.00	7.34	9.14	6.29	3.16	21.65	27.80	29.39	35.96	4.99	10.97	10.19	7.87	1.80	... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
November,	7.35	13.43	18.63	15.85	11.03	10.71	12.88	...	14.12	11.09	4.70	3.05	5.47	3.81	4.91	2.53	4.96	5.84	6.75	2.02																			
December,	6.28	11.67	14.32	12.12	10.33	5.38	10.57	...	9.82	10.66	5.06	3.85	3.50	3.48	0.31	1.65	3.47	5.42	0.41	2.25																			
Total,...	...	40.83	97.54	120.11	132.53	132.07	117.19	95.03	128.62	103.60	100.57	21.75	...	103.90	139.05	177.35	138.49	...	64.22	91.69	81.01	...	...	...	...	...	...	...	...	...	...	...	...	...	...							
Mean,	117.78												139.69												82.29																														

Annual Abstract of Rainfall, Straits Settlements, for the year 1890.—*Continued.*

PROVINCE WELLESLEY

Table shewing the Mean Monthly Rainfall, and Mean Number of Rainy Days registered at Singapore, from 1869 to 1890.

Years.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.		Years.
	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	Inches.	days.	
1869	3.93	12	3.23	12	3.37	8	9.23	16	9.19	16	6.81	11	5.42	13	12.31	18	3.13	12	5.11	15	8.24	21	20.66	26	90.63	180	1869
1870	18.25	24	7.80	21	3.15	14	8.81	17	5.01	10	11.51	17	5.11	11	11.36	17	12.62	18	9.99	17	11.54	25	18.13	18	123.24	209	1870
1871	11.05	19	7.69	19	12.95	21	4.85	11	3.96	12	4.59	11	12.42	16	6.69	18	8.97	19	12.36	16	11.36	17	12.56	16	109.45	195	1871
1872	2.37	4	7.72	18	3.43	8	4.15	12	5.12	9	4.89	14	6.43	13	7.12	14	10.79	16	5.74	16	11.54	22	6.00	15	75.30	161	1872
1873	7.16	14	9.57	17	9.74	16	10.54	17	5.50	10	4.81	10	3.55	10	6.08	11	3.00	8	7.93	16	12.56	20	5.16	17	85.60	166	1873
1874	3.88	15	2.34	10	3.20	13	6.34	14	5.78	15	6.39	12	6.32	17	10.58	16	11.02	14	7.09	15	16.37	20	7.56	17	87.05	178	1874
1875	2.91	11	7.02	11	16.92	21	6.47	13	4.09	13	9.53	13	4.26	10	8.36	13	8.24	12	8.29	16	11.37	18	6.50	15	93.96	166	1875
1876	3.97	11	1.84	6	4.62	13	7.23	11	7.86	12	10.58	17	4.46	10	9.32	12	7.19	14	10.67	17	12.06	19	10.39	21	89.91	163	1876
1877	2.89	7	5.74	12	5.01	10	1.37	6	4.05	10	11.47	12	5.70	12	4.00	8	2.74	6	2.09	8	5.24	11	8.07	17	58.37	119	1877
1878	13.57	19	7.29	14	2.17	5	8.04	14	11.59	17	4.07	13	6.33	13	19.33	18	5.01	11	7.38	10	8.47	16	9.91	20	103.16	170	1878
1879	19.18	22	9.14	13	9.81	17	6.61	14	10.86	14	7.07	10	5.51	12	8.94	15	5.54	11	14.96	20	8.37	15	10.15	18	116.14	181	1879
1880	5.17	17	9.33	14	8.46	16	11.12	15	8.96	16	6.87	13	9.83	13	9.75	15	7.19	18	9.96	15	15.82	21	8.56	16	111.08	189	1880
1881	13.35	12	2.01	4	9.03	16	5.21	9	9.40	13	4.03	10	6.35	12	5.77	11	5.41	11	10.54	14	9.48	16	13.32	16	94.00	144	1881
1882	6.58	15	12.41	18	3.08	7	8.80	14	6.35	12	4.97	11	6.73	9	6.65	14	6.70	12	9.73	16	8.95	15	7.21	15	88.16	158	1882
1883	3.18	7	1.98	5	6.71	10	7.23	13	7.11	10	5.21	9	3.12	9	3.37	11	10.29	14	7.96	16	6.22	18	7.76	19	70.14	141	1883
1884	8.81	18	3.03	8	7.86	12	3.85	9	5.18	13	5.88	15	7.66	11	5.19	12	8.07	13	7.35	12	4.56	22	12.00	11	80.13	146	1884
1885	1.63	7	5.54	13	1.41	5	3.89	8	6.30	16	9.39	14	4.46	8	3.03	8	4.34	10	3.67	8	10.57	18	13.75	19	67.32	134	1885
1886	8.39	13	4.29	8	4.91	9	7.32	13	10.26	18	7.28	15	3.42	9	16.09	16	7.82	14	9.03	15	10.18	17	6.61	12	95.19	159	1886
1887	10.75	19	11.09	18	6.50	17	7.49	15	7.98	16	8.76	14	9.16	10	14.32	19	7.08	15	7.47	15	9.56	17	12.81	20	112.97	195	1887
1888	5.09	8	1.38	5	4.02	11	6.29	12	10.92	14	7.37	9	3.41	9	2.50	8	8.37	14	3.75	10	5.42	15	7.04	13	65.56	128	1888
1889	5.36	17	6.81	13	3.02	8	4.41	12	7.41	13	5.29	14	9.62	17	6.16	12	9.46	15	6.26	18	14.00	21	6.33	14	84.13	174	1889
1890	10.21	17	10.82	15	7.75	17	8.50	17	4.98	14	6.26	13	19.64	16	9.59	19	7.99	19	9.12	20	12.79	21	10.13	18	117.78	206	1890
Mean.	7.62	14	6.27	12	6.22	12	6.71	—	7.17	—	6.96	13	6.78	12	8.49	14	7.31	13	8.02	15	10.21	19	10.03	17	91.79	167	—

Chart shewing the Mean Annual Range of the Barometer at Singapore, from 1881 to 1890.

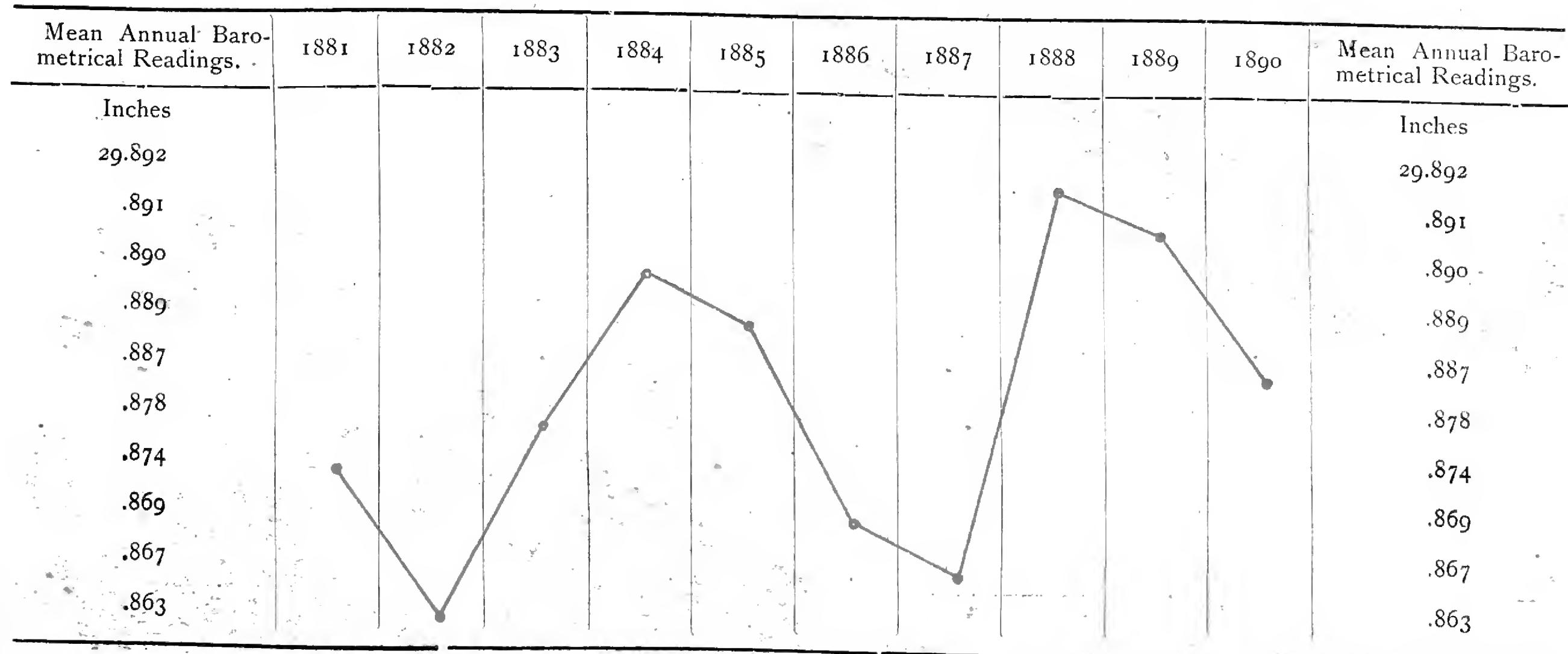
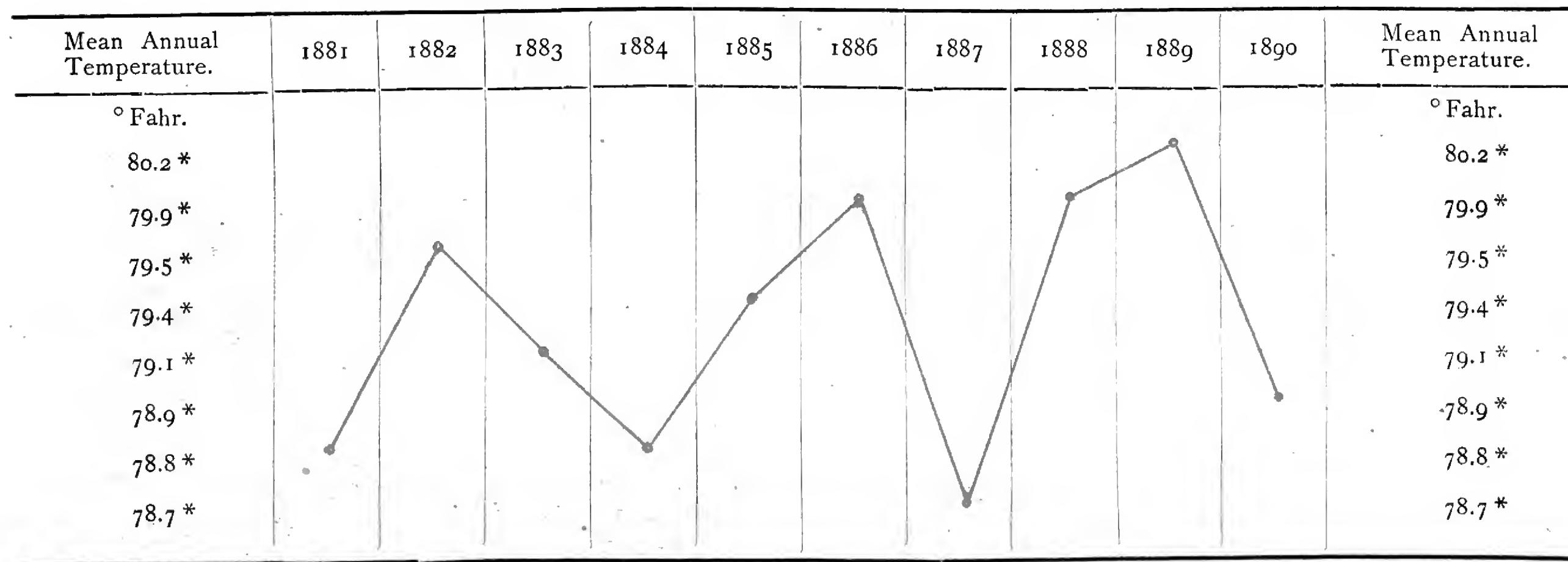


Chart shewing the Mean Annual Range of Temperature at Singapore, from 1881 to 1890.



*These figures were obtained from the results of the observations at 9H, 15H, 21H, and Minimum Temperature.

Chart shewing the Range of Mean Annual Rainfall at Singapore, from 1881 to 1890.

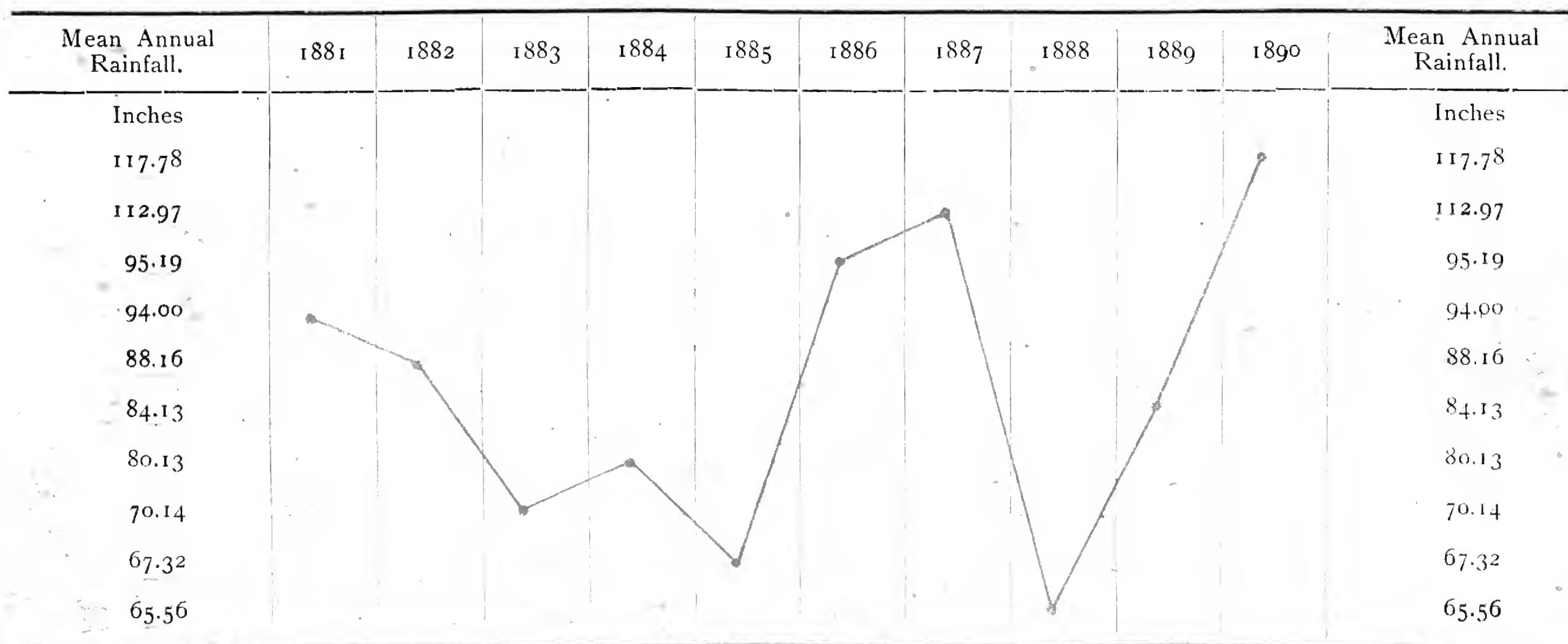
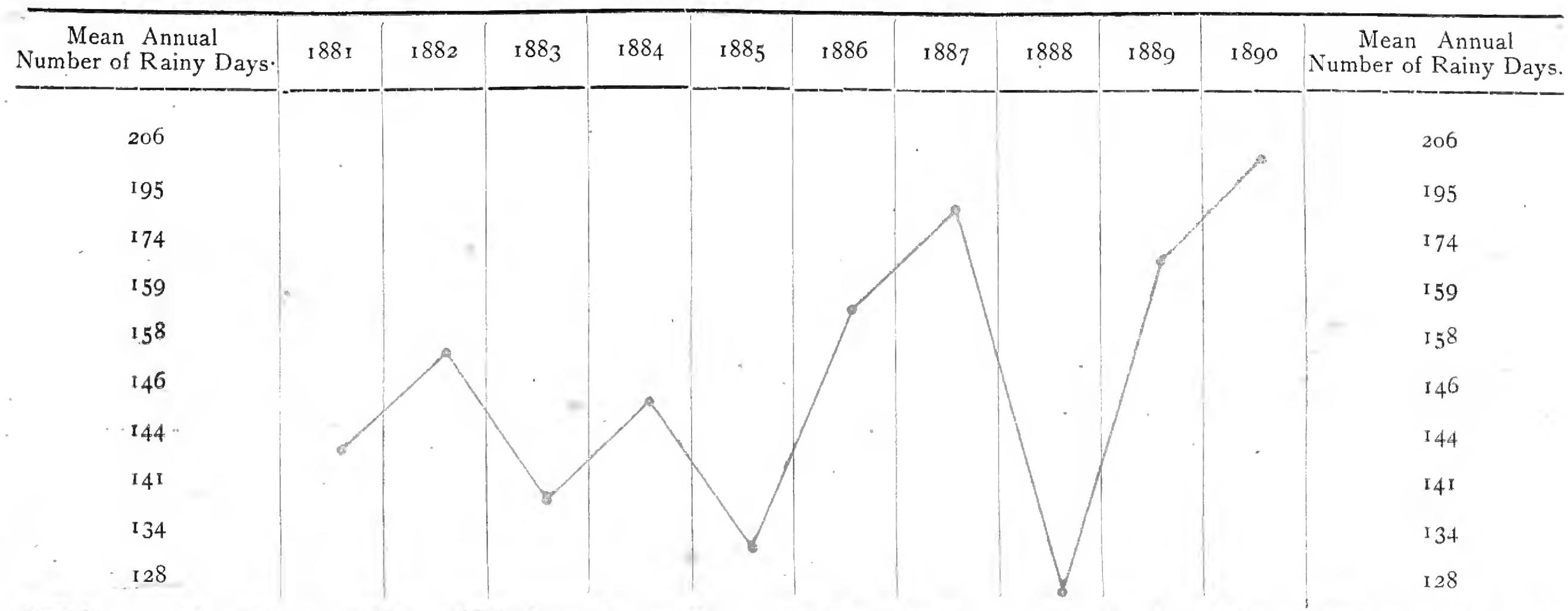


Chart shewing the Range of Mean Annual Number of Rainy Days at Singapore, from 1881 to 1890.



METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, SINGAPORE, FOR THE MONTH OF JANUARY, 1890.
10°17' N. Lat., 103°51' E. Long.

Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.		WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.		CLOUD & WEATHER INITIALS.															
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Sun.	Difference Sun and Shade.	Grass.	9 H.	15 H.	21 H.	Total Miles.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.									
1	29.865	29.778	29.829	29.824	82.0	85.0	77.3	79.4	87.9	73.4	14.5	155.5	67.6	72.0	1.4	NE.	NE.	Calm.	134	78.5	78.0	75.0	77.2	929	834	841	868	857	72.90	82	2	8	2	C.b.	C. o.	C.b.	
2	29.891	79.0	86.6	84.9	83.8	83.8	75.8	79.5	88.5	74.5	14.0	150.5	62.0	72.5	2.0	NE.	NE.	Calm.	134	78.8	78.0	74.8	77.2	909	882	850	880	797	76.95	83	93	2	10	6	C.b.	Pc, o, r.	C.Pc, o, r.
3	29.907	79.8	90.5	87.1	81.3	84.5	75.8	78.7	86.3	72.5	13.8	153.5	67.2	71.8	0.7	WNW.	W.	Calm.	132	76.8	78.8	75.0	76.9	862	880	861	868	818	80.97	86	48	8	10	10	Ck, o.	Pc, o,	Pc, o, r.
4	29.932	81.5	90.5	88.4	79.5	78.0	75.8	76.7	85.8	72.5	13.3	144.5	58.7	71.8	0.7	NE.	Calm.	NE.	132	76.0	75.0	75.0	75.3	852	829	862	848	858	86.95	89	1.55	10	10	10	C.o.	Pc, o, r, t.	Pc, o,
5	29.975	87.5	94.3	93.1	75.8	80.8	75.0	75.9	80.9	77.9	9.0	1.0	29.6	70.3	1.6	NE.	NE.	NE.	144	73.8	78.8	73.5	75.4	834	958	807	866	919	91.93	92	1.10	10	10	8	Pc, o.	Pe, o, r.	Pe, o, r.
6	30.026	92.0	96.8	97.1	77.3	81.8	74.8	75.9	82.3	69.8	12.5	130.5	48.2	67.8	2.0	NW.	NE.	Calm.	147	75.3	75.8	73.3	74.6	852	903	802	846	917	75.93	86	.09	10	10	10	Pc, o.	Pc, o, d.	Pc, o.
7	29.976	88.4	94.2	93.4	79.9	84.3	75.5	77.8	85.8	71.5	14.3	150.5	64.7	67.9	3.6	NW.	NNW.	Calm.	132	76.3	78.3	75.0	76.5	861	885	863	869	858	75.98	86	... 10	6	8	Pe, c, o.	Ck, c.	Pc, o,	
8	29.949	82.6	91.5	89.7	77.5	86.8	76.0	78.1	86.9	72.0	14.9	143.5	56.6	68.6	4.0	NW.	WNW.	Calm.	132	74.8	77.8	74.5	75.7	829	831	835	832	887	65.93	82	... 6	4	6	K, c.	K, b.	Cs, b.	
9	29.944	84.4	91.1	89.9	81.5	76.8	75.0	76.0	85.0	70.8	14.2	151.5	66.5	68.8	2.6	NW.	NW.	NE.	142	76.5	74.8	74.0	75.1	846	837	828	838	799	91.95	88	.05	6	10	10	C, es, c.	Pc, o,	Pk, Pe, o.
10	29.920	82.6	90.3	88.1	76.8	82.9	74.8	76.1	82.8	70.9	11.9	133.5	50.7	69.9	1.0	NW.	NE.	Calm.	143	74.3	75.0	72.8	74.0	816	725	811	784	888	71.90	83	... 10	8	6	C, Pe, o.	Pc, k, o.	C, c,	
11	29.926	82.6	88.8	87.8	74.0	78.3	71.0	74.6	73.4	72.2	6.2	92.7	14.3	70.0	2.2	NE.	NNW.	Calm.	145	72.5	76.8	73.5	74.3	780	903	821	835	933	93.98	95	.05	10	10	10	Pe, o, d.	Pc, o, d.	Pc, o.
12	29.904	83.6	90.0	87.9	78.0	74.5	74.8	74.8	78.0	72.0	6.0	94.3	16.3	70.0	2.0	NW.	NNW.	Calm.	150	73.5	78.0	73.0	73.2	768	793	790	784	880	93.92	88	1.53	8	10	10	Po, o, d.	Pc, o, r.	Pc, o, r.
13	29.955	77.9	81.8	82.8	79.0	81.8	75.5	77.1	81.8	72.2	9.6	138.3	56.5	70.3	1.9	NE.	NW.	Calm.	154	76.8	78.0	75.0	76.6	983	911	863	919	999	84.98	94	.70	10	8	10	Pe, o, r.	Pc, o, r.	Cs, k, e.
14	29.963	75.7	84.7	82.3	79.0	83.0	76.0	77.9	81.5	73.5	11.6	137.2	52.7	70.6	2.9	NNW.	NNW.	Calm.	154	76.3	76.8	74.8	75.9	872	840	848	853	887	74.94	85	.33	6	6	8	Ck, e.	Cs, k, e.	Pc, o.
15	29.956	76.4	83.1	83.1	75.5	78.3	75.8	75.6	78.8	72.8	6.0	104.5	25.7	70.3	2.5	NNW.	NW.	Calm.	152	74.8	75.8	74.8	75.1	855	860	852	856	97	89.95	90	.23	10	10	10	Pe, o, r.	Pc, od,	Pc, o.
16	29.977	78.2	82.3	83.1	79.0	81.8	75.5	77.5	81.9	73.6	8.4	127.6	45.7	71.0	2.6	WNW.	N.	Calm.	142	76.8	78.3	74.5	76.5	870	919	844	878	900	85.95	90	.22	6	4	10	Pe, c.	Ck, b.	Pc, o.
17	29.904	78.2	84.1	84.2	80.0	85.0	75.8	78.0	85.8	71.2	14.6	152.5	66.7	68.5	2.9	NW.	NE.	Calm.	135	76.8	77.8	74.8	76.5	880	859	863	866	86	76.95	81	.10	6	6	4	C, c.	Pc, k, e, d.	K, b.
18	29.981	79.1	87.0	85.1	81.8	85.0	76.3	78.9	85.8	72.5	13.3	150.5	64.7	71.5	1.0	NW.	W.	Calm.	134	77.8	79.0	75.0	77.3	899	911	853	888	833	76.94	84	... 6	6	2	C, c.	Cs, b.	Ck, e.	
19	29.971	79.8	85.1	85.1	80.5	85.0	78.5	79.2	85.8	73.5	12.3	156.5	70.7	72.3	1.2	NW.	SSW.	Calm.	132	76.8	78.8	76.5	77.4	874	902	888	888	84	75.91	83	.40	6	6	2	C,k,e,	Cs, b.	Ck, o.
20	29.992	77.8	87.0	84.7	79.3	81.8	76.8	77.9	81.9	73.5	8.4	118.9	37.0	70.2	3.3	SSW.	SSW.	Calm.	131	75.3	75.8	75.3	75.5	825	812	858	828	882	75.93	83	... 10	10	2	Pe, or,	Ck, o,	Cs, b.	
21	29.953	80.0	88.0	85.8	80.2	84.3	77.0	78.7																													

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF FEBRUARY, 1890.
1°17' N. Lat., 103°51 E. Long.
Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER REDUCED TO 32°		TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.		WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMI. DITY.		CLOUD 0 to 10.		CLOUD & WEATHER INITIALS.																
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	* Maximum.	Minimum.	Sun.	Difference Sun and Shade.	Grass.	Difference Sun and Radiation.	9 H.	15 H.	Total Miles.	Velocity.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.						
1	30.037	29.923	30.034	29.998	82.0	86.8	77.0	79.6	87.0	72.5	14.5	158.5	71.5	68.9	3.6	N.W.	NE.	Calm.	'131	76.0	75.7	74.0	75.2	'818	'742	'801	'787	75	58	86	73	...	6	2	2	Ck, c.	C, b.	Ck, b.
2	29.918	'847	29.901	'889	83.0	86.6	79.2	80.2	88.2	72.0	16.2	156.8	68.6	66.0	6.0	NE.	NW.	Calm.	'130	75.8	75.0	74.8	75.2	'796	'713	'814	'774	71	56	81	69	...	4	4	2	Ck, b.	Ck, b.	Ck, b.
3	'974	'917	'967	'953	82.9	87.8	77.5	80.1	88.2	72.2	16.0	157.2	69.0	67.8	4.4	NNW.	NNW.	Calm.	'130	76.5	76.5	75.0	76.0	'809	'752	'836	'799	75	58	89	74	...	2	6	2	C, b.	K, c.	Ck, b.
4	'945	'866	'937	'916	83.2	79.9	76.0	77.9	86.7	72.4	14.3	161.9	75.2	67.9	4.5	NNW.	NE.	Calm.	'143	76.2	76.4	74.8	75.8	'804	'864	'848	'834	71	85	75	84	...	4	6	6	C, CK, b.	Pk, c.	Ck, c.
5	'983	'886	'946	'944	81.8	83.0	78.3	79.2	86.5	73.8	12.7	155.5	69.0	69.0	4.0	NE.	NE.	Calm.	'131	76.3	76.5	75.3	76.0	'834	'826	'838	'833	77	73	87	79	...	4	8	10	K, b.	Pc, o.	Pc, o.
6	30.002	'866	'957	'942	80.5	80.5	78.8	77.9	88.2	72.0	16.2	158.5	70.3	68.9	3.1	NE.	NE.	NE.	'132	75.5	76.5	75.0	75.7	'817	'860	'819	'832	78	83	83	81	'07	6	10	10	Ck, c.	Pc, o.	Pc, o.
7	29.961	'855	'921	'912	81.8	78.8	75.0	77.1	87.8	72.8	15.0	155.2	67.4	71.8	1.0	NE.	WSW.	Calm.	'179	75.8	76.0	74.0	75.3	'801	'863	'828	'831	75	88	95	86	1.24	2	10	6	K, b.	Pc, o, r.	Pc, o.
8	'963	'853	'952	'923	79.0	83.8	75.8	78.3	87.0	74.5	12.5	159.5	72.5	71.9	2.6	NW.	WSW.	Calm.	'135	76.4	78.5	74.8	76.6	'876	'905	'851	'877	88	78	95	87	.02	6	8	10	C, Cs.	Pc, o.	Pc, c.
9	'957	'870	'923	'917	81.8	77.8	75.0	77.8	87.0	73.8	13.2	153.5	66.5	71.8	2.0	NNW.	WSW.	Calm.	'154	77.2	75.8	74.5	76.0	'898	'865	'849	'871	83	91	98	91	...	2	10	10	K, b.	Pc, o, r.	Pc, o.
10	'967	'832	'931	'910	81.8	86.8	78.0	80.8	87.3	73.5	13.8	153.5	66.2	70.5	3.0	WNW.	NE.	Calm.	'135	76.3	77.8	75.0	76.4	'793	'831	'829	'818	66	65	86	72	...	8	6	10	Ck, o.	C, c.	Pc, o, d.
11	'929	'796	'922	'882	81.8	85.3	75.5	79.2	86.2	74.3	11.9	154.5	68.3	73.4	0.9	NW.	SSW.	Calm.	'131	76.8	78.8	74.5	76.7	'854	'896	'843	'864	79	74	95	83	'10	8	2	10	Ck, c.	K, b.	Pc, o, d.
12	'936	'855	'917	'903	80.0	82.0	74.5	77.3	86.0	72.5	13.5	131.8	45.8	70.5	2.0	WNW.	WNW.	Calm.	'131	77.5	77.8	73.5	76.3	'916	'898	'814	'876	89	82	95	89	2.22	10	4	10	Pe, o.	Pc, o, r.	Pc, o.
13	'924	'823	'909	'885	78.5	85.0	78.0	78.8	86.2	73.5	12.7	154.0	67.8	69.9	3.6	W.	W.	Calm.	'131	76.3	76.0	76.8	76.4	'879	'777	'903	'855	90	64	94	83	...	10	6	10	Pe, o, r.	C, c.	Pc, o.
14	'925	'781	'878	'861	82.0	83.3	76.8	79.2	86.5	74.5	12.0	158.2	71.7	70.5	4.0	NW.	SSW.	Calm.	'131	76.8	77.8	75.2	76.6	'854	'879	'852	'862	77	77	92	82	'10	6	4	2	C, c.	Pc, b, r.	Pc, c.
15	'913	'793	'901	'869	79.3	75.8	74.5	75.1	81.2	70.8	10.4	131.8	50.6	68.8	2.0	WSW.	WNW.	Calm.	'134	77.0	74.5	74.0	75.2	'899	'860	'834	'864	86	98	98	94	1.02	6	10	6	Pe, c, d.	Pc, o, r.	Pc, c.
16	'936	'738	'831	'825	81.8	85.0	78.2	79.5	85.9	73.0	12.9	159.2	73.3	70.0	3.0	NW.	S.	Calm.	'142	77.0	79.0	77.0	77.7	'865	'911	'827	'868	80	76	85	80	...	2	3	2	Cs, b.	C, k, b.	Cs, b.
17	'899	'779	'869	'849	80.5	76.9	76.0	76.5	82.9	72.5	10.4	145.5	65.6	71.5	1.0	NE.	NE.	Calm.	'143	78.8	76.2	75.0	76.7	'962	'898	'856	'905	92	97	95	95	2.00	4	10	10	Pe, n.	Pc, o, r.	Pc, o.
18	'930	'779	'860	'856	83.3	75.0	75.5	76.5	86.2	72.2	14.0	152.2	66.0	68.8	3.4	WNW.	NNW.	Calm.	'142	78.5	74.0	74.5	75.7	'911	'828	'842	'860	80	95	95	90	'134	2	10	10	Cs, b.	Pc, o, r.	Pc, o.
19	'905	'835	'896	'879	82.0	77.8	75.5	78.5	86.6	72.5	14.1	153.2	66.6	69.0	3.5	NW.	NW.	Calm.	'145	78.0	75.8	74.5	76.1	'906	'858	'852	'872	83	89	95	86	'85	4	10	5	Cs, b.	Pc, o, r.	Pc, o.
20	'961	'817	'900	'893	81.8	83.0	76.5	78.6	86.9	68.9	18.0	152.6	65.7	66.7	2.2	NNW.	SSE.	Calm.	'146	76.8	78.2	75.5	76.8	'856	'814	'864	'845	79	73	93	82	'43	4	10	10	Ck, b.	Pc, o, r.	

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF MARCH, 1890.

1°17' N. Lat., 103°51' E. Long.

Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMI-DITY.			CLOUD & WEATHER INITIALS.											
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.	Range.	Sun.	Difference Sun and Shade.	Grass.	Direction.	Velocity.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Cloud 0 to 10	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.				
1	29.965	29.819	29.931	29.905	83.3	86.2	76.8	79.2	87.8	70.3	17.5	154.9	67.1	67.0	3.3	NE.	NE.	Calm.	133	75.8	77.8	74.8	76.1	.875	.842	.837	.851	69	67	91	76	...	4	0	2	K, b.
2	.974	.828	.929	.912	82.8	84.5	77.3	79.1	87.8	71.9	15.1	155.5	67.7	68.3	3.6	NE.	NW.	Calm.	131	77.8	78.0	75.2	77.0	.884	.872	.843	.866	79	73	91	81	...	2	8	2	K, b.
3	.966	.841	.927	.911	82.8	86.2	78.8	79.8	88.2	71.5	16.7	163.5	75.3	67.9	3.6	NE.	NW.	NE.	130	77.5	77.0	76.0	76.8	.881	.805	.863	.847	79	64	88	77	...	4	2	2	K, b.
4	.991	.802	.912	.902	83.5	84.2	77.0	79.7	86.8	74.0	12.8	151.9	65.1	71.8	2.2	NNW.	WNW.	NE.	130	78.0	78.8	76.5	77.8	.886	.915	.908	.903	77	78	98	84	.62	6	2	10	K, c.
5	30.004	.927	.959	.963	80.0	78.5	75.0	76.3	79.8	71.8	8.0	106.3	26.5	68.8	3.0	NW.	NE.	Calm.	147	76.8	75.8	74.5	75.7	.881	.858	.848	.862	86	88	98	91	.09	10	10	10	Pc, o, d.
6	29.942	.858	.937	.912	82.8	86.2	76.2	79.6	87.2	73.2	14.0	157.5	70.3	70.0	3.2	NW.	NE.	Calm.	133	77.8	77.0	75.7	76.8	.885	.805	.884	.858	79	64	98	80	.18	2	2	10	Ck, b.
7	.969	...	...	.969	78.8	...	...	76.4	87.3	74.0	13.3	154.5	67.2	68.8	5.2	NW.	...	...	135	76.3	...	...	76.3	.874	89	...	...	89	.18	6	...	C, Ck, c.				
8	.946	...	...	.946	83.0	...	...	78.6	86.9	74.2	12.7	152.5	65.6	69.9	4.3	NW,	...	...	156	77.0	...	...	77.0	.848	79	...	79	.28	2	...	...	K, c, b.				
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	141	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	.901	.823	...	.862	77.9	80.2	...	76.4	82.9	74.2	8.7	133.6	50.7	68.9	5.3	NNW.	SSE.	...	147	76.5	77.5	...	77.0	.908	.907	...	.908	94	88	...	91	.52	8	0	0	Pc, o, r.
11	.894	.744	...	.819	82.8	85.0	...	80.6	86.8	74.0	12.8	156.2	69.4	70.2	3.2	NE.	ESE.	...	135	78.0	79.4	...	78.2	.933	...	...	.905	80	78	...	79	...	4	4	...	C, k, b.
12	.902	.781	...	.842	83.0	86.0	...	80.8	88.9	73.5	15.4	152.2	62.3	68.3	5.8	NE.	SSE.	...	130	78.0	78.8	...	78.4	.893	.889	...	.891	79	72	...	76	...	2	5	...	K, b.
13	.882	.775	.885	.847	84.2	85.8	79.0	80.6	88.2	73.2	15.0	151.2	66.0	69.9	3.3	SSE.	SSE.	Calm.	130	77.0	79.5	76.5	77.7	.832	.924	.880	.879	70	74	89	78	...	2	2	2	K, b.
14	.894	.757	.838	.846	85.8	85.0	79.5	80.6	87.7	72.0	15.7	156.5	68.8	67.0	5.0	NW.	SSW.	Calm.	129	78.8	78.8	77.5	78.4	.892	.903	.917	.904	72	73	91	79	...	4	2	2	Ck, b.
15	.931	.841	.910	.894	84.0	86.8	79.7	80.9	88.9	73.2	14.7	164.0	75.1	69.9	3.3	NW.	SE.	Calm.	131	77.5	79.2	77.2	77.9	.856	.896	.901	.884	72	70	89	77	...	2	2	2	C, b.
16	.917	.746	.890	.851	84.8	86.0	78.5	80.8	91.2	71.8	19.4	153.9	62.7	67.9	3.9	NNW.	NNW.	Calm.	130	78.2	78.2	77.5	77.9	.870	.830	.931	.877	73	63	95	77	...	2	2	2	K, b.
17	.943	.766	.909	.873	80.8	85.8	78.2	79.2	88.3	72.0	16.3	157.0	68.7	68.0	4.0	WSW.	NNW.	Calm.	129	76.3	78.0	76.0	76.8	.847	.856	.870	.858	80	69	90	79	...	2	2	2	K, b.
18	.887	.803	.867	.852	79.0	83.3	77.2	78.5	87.8	74.5	13.3	120.5	32.7	72.5	2.0	NW.	WSW.	Calm.	129	78.3	79.5	76.3	78.0	.960	.958	.893	.937	97	84	96	92	.04	2	10	6	Pc, o, d.
19	.866	.718	.854	.813	81.8	82.6	73.8	79.2	88.2	73.5	14.7	161.0	72.8	69.9	3.6	NNW.	NNW.	Calm.	130	78.3	78.5	77.8	78.2	.922	.968	.865	.918	87	87	89	88	.56	6	8	2	K, c.
20	.837	.722	.832	.797	84.2	88.8	78.0	81.1	89.6	73.2	15.8	156.0	67.0	69.9	3.3	NE	NNW.	Calm.	130	80.5	78.2	77.0	78.6	.893	.838	.916	.882	77	63	95	78	...	4	2	2	K, b.
21	.842	.733	.837	.805	85.0	84.9	77.5	80.7	87.3	75.2	12.1	149.8	62.5	70.5	4.7	NNW.	SSW.	Calm.	142	79.5	79.8	76.5	78.6	.934	.953	.891	.926	78	79	95	84	1.74	3	10	10	K, b.
22	.838	.732	.780	.783	84.8	79.0	76.5	78.3	86.9	72.8	14.1	159.9	73.0	70.6	2.2	NNW.	Cal.	145	79.0	76.8	74.5	76.8	.915	.894	.829	.879	76	90	91	86	2.46	2	10	6	Pc, o, r.	
23	.830	.715	.735	.760	85.8	78.0	76.0	78.4	89.9	73.5	16.4																									

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF APRIL, 1890.
 1°17' N. Lat., 103°51' E. Long. Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.				CLOUD & WEATHER INITIALS.							
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Before 9 A.M.	After 3 P.M.						
1	Ins. 29.940	Ins. 29.831	Ins. 29.870	Ins. 29.880	84.8	85.2	80.0	81.4	89.3	75.5	13.8	150.3	61.0	72.3	3.2	NE.	SSE.	Calm.	78.3	79.2	78.0	78.5	Ins. 891	Ins. 917	Ins. 933	Ins. 914	% 73	% 76	% 91	% 80	... 4	2 4	K, b.	Cs, b.	C, b.	
2	.951	.947	.926	.908	84.0	84.9	80.0	80.6	87.2	73.6	13.6	159.2	72.0	70.5	3.1	SSW.	SSW.	Calm.	80.2	79.0	77.0	78.7	981	912	889	927	% 84	% 76	% 87	% 82	... 6	6 6	Ck, b.	C, c.	C, c.	
3	.972	.817	.897	.895	85.8	87.2	77.5	81.0	89.9	73.6	16.3	156.5	66.6	69.9	3.7	W.	W.	Calm.	79.5	75.5	75.4	76.8	927	726	855	836	% 78	% 56	% 90	% 75	... 6	2 2	C,Cs,b	C, b.	C, b.	
4	.961	.838	.899	.899	87.0	79.9	77.5	79.2	87.5	72.5	15.0	151.5	64.0	68.9	3.6	W.	WNW.	Calm.	79.0	75.5	75.0	76.5	884	837	836	852	% 69	% 85	% 89	% 81	... 4	8 2	Ck, b.	C, o.	C, b.	
5	.961	.863	.917	.914	85.2	77.5	75.0	77.4	88.2	72.0	16.2	157.5	69.3	67.9	4.1	NNW.	W.	Calm.	79.0	75.0	74.5	76.2	909	836	844	863	% 75	% 89	% 98	% 87	.19	2 10	C, b.	Pc, o, r.	Pc, o.	
6	.953	.841	.900	.898	84.8	84.9	78.0	79.9	89.0	71.9	17.1	153.5	64.5	69.9	2.0	E.	NW.	Calm.	79.3	78.9	76.5	78.2	927	897	884	903	% 77	% 76	% 93	% 82	.72	2 8 0	K, b.	Pk, o, r.	Pk, o, b.	
7	.969	.912	.940	.850	77.0	78.5	86.3	73.5	14.8	136.0	47.7	70.8	2.7	NNE.	NW.	Calm.	78.6	76.0	76.0	77.3	893	886	889	889	% 74	% 95	% 85	% 85	2.11	5 2 2	5, c.	Pc, o, r.	K, b.			
8	.971	29.880	.937	.929	81.8	80.0	76.5	77.8	86.0	72.8	13.2	146.5	60.5	69.9	2.9	W.	NE.	Calm.	77.8	77.0	75.5	76.6	889	889	890	886	% 83	% 87	% 95	% 88	.78	6 10 10	C, c.	Pc, o, r.	Pc, o.	
9	.995	.867	.930	.930	84.0	77.8	76.8	77.9	85.5	72.5	13.0	153.5	68.0	70.5	2.0	NW.	W.	Calm.	80.0	76.3	76.0	77.4	971	888	890	916	% 83	% 93	% 96	% 90	.33	2 10 2	C, b.	Pc, o, d.	Pc, o.	
10	.967	.884	.940	.930	84.8	78.5	76.8	78.4	87.2	73.5	13.7	157.5	70.3	70.9	2.6	SSW.	NW.	Calm.	79.5	76.0	75.8	77.1	939	865	880	895	% 78	% 89	% 95	% 87	.06	2 10 2	K, b.	Pc, o, r.	Cs, b.	
11	.939	.862	.915	.905	84.0	76.8	75.8	77.4	86.2	72.5	13.7	136.7	50.5	70.9	1.6	W.	WSW.	Calm.	78.5	75.8	75.0	76.4	901	880	860	914	% 77	% 95	% 95	% 89	.73	4 10 8	K, b.	K, b.	Pc, o, d.	
12	.948	.813	.897	.886	84.8	86.8	76.0	80.7	87.8	75.3	12.5	153.5	65.7	71.9	3.4	W.	NE.	Calm.	78.8	79.8	75.5	78.0	903	924	971	899	% 76	% 72	% 95	% 81	.13	4 4 10	K, b.	Pe, o.	Pe, o, r.	
13	.969	.850	.917	.912	79.3	83.8	77.5	78.5	83.9	72.3	10.6	129.8	45.9	69.9	3.4	NSW.	SSW.	Calm.	77.0	77.0	76.5	76.8	900	838	907	879	% 90	% 73	% 95	% 86	.06	8 8 0	Pc, o, d.	C, b.	b.	
14	.912	.790	.899	.867	84.5	85.5	82.0	82.1	88.3	76.5	11.8	153.5	65.2	72.0	4.5	W.	SE.	SE.	78.5	79.0	77.8	78.4	894	904	897	898	% 76	% 74	% 82	% 77	... 4 4 0	Ck, b.	C, b.	b.		
15	.893	.788	.885	.855	83.8	82.5	79.0	80.1	87.2	74.9	12.3	149.5	62.3	72.3	2.6	NW.	SSW.	SE.	131	79.0	78.5	77.5	78.3	930	922	924	925	% 80	% 83	% 93	% 85	.41	8 8 6	Pe, K, o, r.	Pe, o.	Pe, e, d.
16	.927	.824	.871	.874	78.8	80.0	76.0	76.8	85.8	72.3	13.5	143.5	57.7	68.9	3.4	NW.	NW.	Calm.	131	77.3	75.0	75.0	75.8	918	802	856	859	% 93	% 78	% 95	% 89	.02	10 10 6	Pe, o, d.	Pe, o.	b.
17	.886	.766	.865	.839	86.0	86.5	77.3	80.9	88.5	73.9	14.6	143.5	55.0	71.5	2.4	NW.	WNW.	Calm.	142	78.0	77.5	77.0	77.6	852	822	926	867	% 68	% 65	% 98	% 77	.50	2 10 10	K, b.	Pe, o.	Pe, o, d.
18	.876	.791	.870	.850	85.5	79.9	76.5	79.0	87.2	74.2	13.0	154.5	67.3	71.8	2.4	NW.	W.	Calm.	134	79.5	78.3	75.5	77.8	927	953	871	917	% 76	% 92	% 95	% 88	.13	2 10 8	K, b.	Pe, o, r.	Pe, o.
19	.905	.816	.895	.872	82.0	88.3	78.8	80.7	88.7	73.5	15.2	158.5	69.8	71.0	2.5	SSE.	E.	Calm.	141	79.0	79.3	77.0	78.4	952	880	906	917	% 87	% 66	% 92	% 82	... 8 2 0	Pe, o, d.	K, b.	b.	
20	.911	.776	.873	.853	86.8	88.0	79.3	82.4	88.8	75.3	13.5	155.5	66.7	71.8	3.5	N.	NE.	Calm.	159	78.8	81.0	78.0	79.3	876	965	945	928	% 69	% 73	% 94	% 79	.05	2 12 2	K, b.	Cs, b.	C, b.
21	.854	.758	.842	.818	86.0	87.0	78.0	81.2	89.5	74.3	15.2	156.5	67.0	73.9	0.4	SSE.	S.	Calm.	131	79.5	78.5	76.0	78.0	940	861	872	891	% 74	% 67	% 93	% 78	... 2 6 0	K, b.	C, Cs, c.	b.	
22	.862	.766	.856	.828	89.5	84.5	79.5	79.4	89.0	74.2	14.8	154.3	75.3	70.8	3.4	E.	SE.	Calm.	130	79.0	77.0	76.0	77.3	972	828	865	888	% 93	% 70	% 89	% 84	... 4 2 2	K, b.	K, c, b.	b.	
23	.879	.793	.858	.843	87.0	85.5	76.5	80.9	87.9	74.5	13.4	145.9	58.0	71.8	2.7	WNW.	SSE.	Calm.	140	80.0	78.9	75.5	78.1	931	891	871	898	% 72	% 74	% 95	% 80	... 2 8 2	K, b.	C, o.	C, b.	
24	.860	.826	.852	.844	86.0	89.2	80.5	82.6	89.9	74.8	15.1	151.9	62.0	73.0	1.8	SSW.	SSW.	Calm.	140	80.5	78.5	78.5	79.2	968	832	948	916	% 78	% 60	% 91	% 76	.55	2 2 2	K, b.	C, b.	C, b.
25	.878	.796	.868	.847	76.8	82.5	77.5	76.9	82.6	71.0	11.6	144.2	31.6	67.9	3.1	WSW.	WSW.	Calm.	134	75.8	77.0	76.5	76.4	860	855	901	879	% 95	% 77	% 95	% 89	.02	10 0 1 0	Pe, c, r.	Pe, o.	b.
26	.866	.761	.841	.823	85.6	87.8	81.0	82.4	88.5	75.0	13.5	160.5	72.0	70.6	4.4	WNW.	WNW.	Calm.	130	79.8	79.0	78.0	78.9	943	875	920	913	% 77	% 66	% 87	% 77	... 4 2 2	K, b.	C, b.	b.	
27	.834	.834	—	—	80.6	76.9	88.2	73.8	14.4	159.5	71.3	70.0	3.8	—	—	Calm.	130	76.5	76.5	76.5	76.5	867	867	855	855	% 85	% 85	% 85	% 85	0	—	—	b.			
28	.887	.735	.851	.824	81.2	90.5	81.0	82.1	90.8	75.5	15.1	159.5	68.7	71.0	4.5	NW.	NW.	Calm.	130	80.0	77.5	78.0	78.5	1.009	768	920	891	% 54	% 89	% 79	% 82	... 2 2 2	K, b.	—	—	
29	.879	.729	.829	.812	83.8	88.0	78.0	81.3	89.2	75.3	1																									

Highest Atmospheric Pressure Lowest Atmospheric Pressure

Lowest Atmospheric Pressure
Highest Temperature

In the Shade, { Highest Temperature
 { Lowest Temperature
 Greatest Fall of Rain in 24 hours

29.995 Inches

29,710 *n.*

89.⁹ Fah.

71°.0

2.11 "inch

* The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

T. C. MUGLISTON,
Acting Principal Civil Medical Officer, S. S.

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF MAY, 1890.
1°17' N. Lat., 103°51' E. Long.
Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.				CLOUD & WEATHER INITIALS.									
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	S.	N.W.	Calm.	160	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	Ins.	%	%	%	%	Rain.	Inches.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.					
1	29.917	29.735	29.876	29.843	79.0	87.0	79.8	80.3	87.2	75.2	12.0	141.0	53.8	73.5	1.7	S.	N.W.	Calm.	160	77.5	79.0	77.5	78.0	.924	.884	.915	.908	93	69	90	84	...	10	4	6	Pe, o,r.	C, b.	C, c.
2	.910	.720	.847	.826	84.3	89.9	81.3	82.7	90.5	75.2	15.3	155.5	65.0	72.3	2.9	W.	N.W.	Calm.	135	79.5	78.9	79.0	79.1	.946	.839	.963	.916	80	60	90	77	.05	8	4	2	Pe, o.	Ck, b.	C, b.
3	.852	.725	.809	.795	79.2	86.3	80.5	79.6	86.8	72.5	14.3	135.0	48.2	70.5	2.0	NW.	WNW.	Calm.	141	78.0	79.9	78.0	78.6	.945	.932	.927	.935	94	75	89	86	...	10	6	10	Pe, o,l.	C, e.	Pe, o.
4	.863	.782	.860	.835	87.8	87.5	77.0	81.4	88.8	73.2	15.6	150.5	61.7	70.0	3.2	NNW.	WNE.	Calm.	140	78.5	78.3	76.0	77.6	.933	.937	.886	.919	86	89	95	90	.16	4	10	8	C, b.	Pc, o,d.	C,Ck,o.
5	.897	.829	.850	.859	81.8	80.8	77.0	78.5	89.9	74.5	15.4	152.9	63.0	70.9	3.6	NW.	Calm.	Calm.	130	79.0	79.2	78.8	79.0	.938	.864	.957	.919	83	61	99	79	.76	10	4	6	Pe, o, r.	C, b.	C, c.
6	.864	.737	.808	.803	83.0	89.0	81.0	82.1	90.2	75.3	14.9	149.5	59.3	72.5	2.8	E.	W.	Calm.	140	77.0	78.5	78.0	77.8	.868	.953	.893	.905	81	92	98	90	.37	8	10	2	C, o.	Pe, o,d.	Pe, b.
7	.850	.766	.810	.809	81.5	80.2	74.5	78.9	87.5	75.6	11.9	150.5	63.0	71.9	3.7	WNW.	NW.	Calm.	138	80.9	81.5	77.5	79.9	.976	.973	.934	.961	80	71	86	79	...	2	2	2	K, b, d.	K, b.	C, b.
8	.864	.763	.855	.827	85.9	89.0	80.8	82.8	89.2	75.3	13.9	149.7	60.5	71.5	3.8	NE.	NE.	Calm.	135	81.2	79.0	79.0	79.7	.982	.871	.952	.935	78	66	87	77	...	4	2	2	K, b, b.	C, b.	K, b.
9	.933	.822	.877	.877	87.0	88.0	82.0	83.1	90.7	75.4	15.3	151.8	61.1	74.3	1.1	SE.	SSW.	Calm.	138	82.0	78.0	77.5	79.2	1.003	.906	.912	.940	74	83	89	82	...	4	10	8	Ke, b.	Pe, o.	Pe, o.
10	.896	.816	.890	.867	88.8	82.0	80.0	81.8	89.9	76.3	13.6	154.5	64.6	74.2	2.1	SE.	NW.	Calm.	130	79.0	78.8	75.0	77.6	.861	.971	.862	.898	64	95	97	85	.11	6	10	10	C, c.	Pe, o,d.	Pe, o.
11	.900	.858	.897	.855	88.9	79.8	75.8	79.5	88.9	73.6	16.3	153.5	64.6	70.5	3.1	NW.	NW.	Calm.	129	78.0	78.8	78.5	77.6	.838	.851	.950	.879	65	63	87	72	...	6	2	2	C, b.	C, b.	C, b.
12	.939	.796	.889	.875	87.0	88.8	81.2	84.5	89.0	76.9	12.1	150.9	61.9	72.5	4.4	NW.	NW.	Calm.	132	80.5	78.5	76.0	78.3	.940	.942	.872	.918	71	89	91	84	.12	4	6	2	K, b.	Pe,C,c,d.	Pe, b.
13	.939	.807	.927	.891	88.0	81.0	78.0	80.1	88.5	73.5	15.0	150.5	62.0	70.7	2.8	SSW.	NW.	Calm.	135	80.8	80.0	77.0	79.3	.968	.930	.909	.936	76	73	93	81	.24	4	4	6	K, b.	Pe, k,b.	b.
14	.926	.820	.904	.883	86.8	86.9	78.5	81.3	88.9	72.9	16.0	153.5	64.6	70.8	2.0	WNW.	NW.	Calm.	135	75.8	79.0	76.5	77.1	.880	.929	.908	.906	95	80	98	91	...	10	10	0	Pe, o,d.	Pe, k,o.	b.
15	.636	.830	.888	.885	76.8	83.8	77.0	77.8	83.8	73.5	10.3	120.8	37.0	69.9	3.6	NW.	W.	Calm.	130	78.3	81.0	77.5	78.9	.861	.937	.920	.903	69	66	92	76	...	2	2	2	K, b.	K, b.	C, b.
16	.883	.781	.862	.84	86.4	90.0	79.3	82.6	89.3	74.5	14.8	149.5	60.2	73.5	1.0	NW.	NW.	Calm.	135	78.5	79.5	77.0	78.3	.925	.893	.916	.911	84	67	95	82	...	10	2	0	Pe, o.	Ck, b.	b.
17	.873	.767	.848	.829	86.3	88.0	78.0	80.5	88.0	73.5	14.5	147.0	59.0	70.8	2.7	W.	NW.	Calm.	133	78.5	79.5	77.0	78.3	.906	.942	.919	.72	69	84	75	...	4	2	0	K, b.	K, b.	b.	
18	.877	.764	.842	.828	86.8	88.2	82.8	83.6	90.4	76.5	13.9	158.7	68.3	72.0	4.5	WSW.	WSW.	Calm.	133	79.5	79.8	79.0	79.4	.910	.906	.925	.909	94	79	93	89	.04	10	10	2	Pe, o,d.	Ck, o.	Pe, b.
19	.893	.812	.884	.863	78.0	84.0	78.5	78.8	86.3	74.5	11.8	152.5	66.2	71.8	2.7	W.	WNW.	Calm.	132	76.8	79.0	77.0	77.6	.908	.925	.942	.908	67	80	93	80	...	6	2	0	C, c.	K, b.	b.
20	.895	.822	.872	.863	86.5	84.4	79.5	81.4	88.0	74.6	13.4	151.0	63.0	71.0	3.6	WSW.	WSW.	Calm.	129	78.0	79.5	78.0	78.5	.842	.942	.940	.908	73	79	91	81	...	2	10	0	K, b.	Pe, o,d.	b.
21	.865	.798	.863	.842	87.8	82.5	79.0	81.1	87.9	75.2	12.7	149.9	62.0	71.5	2.3	NW.	NW.	Calm.	1																			

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF JUNE, 1890.
10°17' N. Lat., 103°15' E. Long.
Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.					CLOUD & WEATHER INITIALS.										
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Difference Sun and Shade.	Grass.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	After 3 P.M.											
1	29.871	29.744	29.864	29.826	84.0	86.0	78.5	79.8	87.2	70.5	16.7	144.5	57.3	68.9	1.6	NW.	W.	Calm.	131.0	80.0	79.0	76.5	78.5	.971	.898	.887	.919	.83	.72	.91	82	1.20	2	6	2	Kc, b.	K, c.	
2	.914	.801	.886	.867	78.8	83.5	81.5	80.1	84.2	76.5	7.7	119.5	35.3	72.5	4.0	NW.	WSW.	SSW.	134.0	77.0	78.0	77.5	77.5	.906	.886	.890	.894	.92	.77	.83	84	...	10	10	4	Pc, o, r,	Pc, o,	C, b.
3	.892	.796	.889	.859	86.3	85.8	79.8	81.7	87.9	74.8	13.1	160.7	72.8	72.8	2.0	W.	NW.	SSW.	138.0	79.8	78.0	76.8	78.2	.928	.856	.882	.889	.74	.69	.87	77	.35	6	4	10	Ck, c.	Ck, b.	Pc, o, r.
4	.878	.774	.831	.828	82.8	85.0	81.0	81.0	86.3	75.3	11.0	149.5	63.2	71.8	3.5	NW.	NW.	SSW.	145.0	79.0	78.8	77.5	78.4	.942	.899	.897	.913	.85	.74	.85	81	...	8	8	2	Kc, o.	C, o.	C, b.
5	.858	.780	.843	.827	81.8	84.5	80.2	80.5	86.0	72.3	13.7	147.5	61.5	71.3	1.0	WSW.	Calm.	138.0	80.0	79.5	78.0	79.2	.963	.940	.932	.945	.80	.79	.90	83	.15	8	4	2	Kpc, o.	C, b.	C, b.	
6	.854	.755	.810	.806	86.0	86.0	80.0	81.8	87.5	74.5	13.0	150.5	62.0	73.5	1.0	NW.	NW.	Calm.	141.0	78.8	79.5	78.0	78.8	.888	.919	.933	.913	.71	.74	.91	75	...	2	8	0	Kc, b.	C, o.	b.
7	.855	.850	.883	.863	84.0	81.0	79.0	79.1	85.8	72.3	13.5	130.5	44.7	69.9	2.4	NW.	NW.	Calm.	145.0	79.0	79.5	78.0	78.8	.888	.919	.933	.913	.71	.74	.91	75	...	2	8	0	Kc, b.	Pc, o, d.	b.
8	.905	.754	.850	.838	82.0	81.0	75.6	77.9	88.5	72.9	15.6	159.5	71.0	71.8	1.1	NW.	WSW.	Calm.	144.0	78.0	78.5	74.0	76.8	.925	.942	.958	.908	.79	.89	.87	85	.15	10	10	4	C, o.	Pc, o, d.	
9	.842	.753	.816	.804	84.8	83.0	75.5	78.9	87.5	72.5	15.0	155.3	67.8	70.5	2.0	NW.	SW.	Calm.	143.0	78.3	78.5	75.0	77.3	.896	.927	.821	.885	.83	.89	.92	88	1.35	4	8	10	C, b.	Pc, o, r.	Pc, o.
10	.877	.790	.865	.844	85.0	84.5	79.0	81.0	88.0	74.5	13.5	146.5	58.5	73.2	1.3	NW.	W.	Calm.	140.0	79.5	78.3	77.5	78.4	.934	.885	.925	.915	.78	.74	.93	82	.68	2	2	6	Pc, o, r.	Pc, o.	Pc, o.
11	.862	.821	.857	.847	80.0	82.8	80.0	79.0	82.8	73.3	9.5	116.5	33.7	69.9	3.4	WNW.	Calm.	Calm.	135.0	77.7	78.3	78.0	78.0	.922	.909	.933	.921	.90	.81	.91	87	.04	8	10	6	Pc, b.	K, b.	Pc, c.
12	.921	.836	.902	.886	81.0	86.0	80.0	80.1	86.2	73.5	12.7	140.2	54.0	71.3	2.2	NNW.	S.	Calm.	133.0	79.5	77.0	76.5	77.7	.987	.807	.867	.887	.93	.65	.85	81	...	10	8	2	Pc, o, d.	Pc, o.	K, b.
13	.913	.826	.887	.875	83.5	85.0	79.0	80.8	88.3	75.5	12.8	134.9	46.6	73.0	2.5	SSW.	N.W.	Calm.	134.0	78.0	78.5	77.0	77.8	.886	.882	.902	.890	.77	.74	.91	81	.02	6	6	2	Ck, c.	Kc, c.	C, b.
14	.877	.830	.853	.853	84.0	89.0	80.2	81.7	89.2	73.9	12.3	152.5	63.3	72.0	1.9	WNW.	NW.	Calm.	135.0	79.5	80.0	78.0	79.2	.948	.903	.931	.927	.81	.65	.90	79	.42	4	6	10	Ke, b.	C, c.	Pc, o.
15	.899	.780	.859	.846	82.0	85.2	79.8	82.2	88.0	73.5	14.5	129.8	41.8	70.3	3.2	NW.	NW.	Calm.	186.0	77.0	78.3	78.0	77.8	.862	.896	.937	.898	.79	.73	.92	81	.33	8	8	8	Pc, o, r.	C, es, o.	Pc, o.
16	.885	.918	.882	.895	78.0	81.0	77.0	77.8	81.8	74.5	7.3	116.5	34.7	70.5	4.5	NW.	NW.	Calm.	142.0	76.5	77.8	76.0	76.8	.894	.912	.886	.897	.93	.86	.95	91	...	10	10	10	Pc, o, r.	Pc, o, d.	Pc, o.
17	.896	.800	.880	.859	85.3	83.0	82.5	82.0	88.3	76.2	12.1	144.9	56.4	69.8	6.4	EWE.	W.	Calm.	134.0	79.5	82.0	79.5	80.3	.933	1.013	.968	.971	.77	.76	.87	80	...	4	6	10	Ke, b.	Kc, c.	Pc, o.
18	.886	.825	.872	.861	85.5	84.8	79.8	81.4	87.8	75.3	12.5	144.7	56.9	72.3	3.0	SW.	SW.	SSW.	130.0	78.8	79.0	77.8	78.5	.895	.909	.926	.910	.73	.76	.89	79	...	4	8	6	Ck, b.	Kc, c.	Pc, o.
19	.919	.846	.915	.893	84.0	86.0	79.0	81.4	87.3	76.5	10.8	141.3	54.0	72.8	3.7	NNW.	SW.	Calm.	130.0	80.0	82.0	78.0	80.0	.971	1.040	.947	.968	.83	.84	.95	87	...	8	2	8	Ck, b.	C, es, o.	C, c.
20	.941	.873	.932	.915	81.0	79.3	76.8	77.8	83.3	71.0	9.3	138.5	55.2	72.0	2.0	WNW.	NW.	Calm.	129.0	77.0	77.0	75.8	76.6	.875	.898	.880	.854	.83	.90	.95	89	...	8	2	8	Ck, b.	Ck, o.	Pc, o.
21	.951	.843	.928	.907	84.8	87.0	81.5	81.7	87.9	73.5	14.4</																											

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF JULY, 1890.

1° 17' N. Lat., 103° 51' E. Long.

Height of Bar Cistern above Sea Level, 10 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.		WIND.			TEMPERATURE OF EVAPORATION.		COMPUTED VAPOUR TENSION.			RELATIV HUMIDITY.		CLOUD 0 TO 10		CLOUD & WEATHER INITIALS.														
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	Grass.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	9 A.M. to 3 P.M.	After 3 P.M.												
1 29-923	Ins. 29.923	Ins. 29.825	Ins. 29.874	Ins. 29.874	84.0 82.2	84.8 82.0	77.0 77.0	79.8 78.6	87.2 86.0	73.0 73.0	13.7 0.5	148.5 72.5	61.3 0.5	71.0 1.0	2.5	WNW. Calm.	SW. Calm.	SW. Calm.	132.0 131.0	78.5 78.0	77.5 76.0	76.0 77.3	.886 .904	.850 .886	.886 .899	.874 .823	.77 .67	.72 .83	.95 .95	81 87	.75 .65	6 2	4 10	10 10	C, c. K, b.	C, b. Pe, o.	
2 938	'855	'934	'909	'929	909 929	932 910	76.0 75.0	78.0 75.4	86.0 87.0	73.0 72.8	14.4 1.0	130.2 146.5	43.0 59.6	72.3 71.0	0.5 1.0	SW. SW. Calm.	SW. SW. Calm.	SW. SW. Calm.	133.0 133.0 133.0	75.0 74.0	75.5 77.5	74.5 76.5	.856 .733	.851 .901	.849 .823	.852 .837	.95 .67	.89 .68	.89 .95	91 83	.15	10 8	10 4	10 6	Ro, o. Pe, o. Ck, o.	Pe, o. Pe, o. Ke, b.	
3 940	'852	'929	'910	'911	891 891	82.0 82.0	86.5 86.5	77.5 77.5	79.5 81.1	86.9 86.8	72.0 76.3	14.9 10.5	148.0 145.0	61.2 58.8	72.0 63.3	4.3 1.7	W. NW. SW.	SW. SW. SW.	SW. SW. SW.	133.0 160.0 140.0	78.5 78.0	76.6 77.4	75.5 76.7	.887 .925	.764 .901	.864 .886	.838 .894	.74 .58	.60 .81	.93 .95	76 83	.02 1.85	4 4	10 10	10 10	Ck, k. b. Pe, o. r.	C, b. Ke, b.
4 919	'843	'911	'891	'891	891 891	82.0 82.0	77.0 77.0	81.1 79.0	86.8 86.0	76.3 73.8	10.5 12.2	148.0 145.0	61.2 58.8	72.0 63.3	4.3 1.7	NW. NW. NW.	SW. SW. SW.	SW. SW. SW.	133.0 160.0 158.0	78.5 78.0	76.6 77.4	75.5 76.7	.887 .925	.764 .901	.864 .886	.838 .894	.74 .58	.60 .81	.93 .95	76 83	.02 1.85	4 4	10 10	10 10	Ck, k. b. Pe, o. r.	Ke, b.	
5 935	'844	'916	'899	'899	899 899	85.0 85.0	86.0 81.9	77.0 76.5	86.2 77.2	70.0 16.2	16.2 14.4	145.0 130.2	58.8 43.0	63.3 72.3	1.7 0.5	NW. SW. SW.	SW. SW. SW.	SW. SW. SW.	133.0 160.0 140.0	78.0 78.0	77.4 76.5	75.5 76.7	.887 .925	.764 .901	.864 .886	.838 .894	.74 .58	.60 .81	.93 .95	76 83	.02 1.85	4 4	10 10	10 10	Ck, b. Pe, o. r.	Pe, o.	
6 917	'855	'914	'895	'895	895 895	80.8 80.8	81.9 84.5	76.5 77.0	86.0 79.0	73.8 73.8	12.2 12.2	140.0 140.0	54.0 54.0	72.0 72.0	1.8 1.8	NW. NW.	SW. SW.	SW. SW.	133.0 158.0	77.8 77.8	76.5 76.5	75.5 76.7	.887 .901	.764 .906	.864 .886	.838 .894	.74 .58	.60 .81	.93 .95	76 83	.01 1.85	4 4	10 10	10 10	Ck, e. Pe, o.	Pe, o.	
7 946	'849	'932	'907	'907	907 907	80.8 80.8	84.5 84.5	77.0 79.0	86.0 86.0	73.8 73.8	6.5 9.6	150.0 149.0	65.0 61.8	68.9 69.5	9.6 0.5	NW. NW.	S. SW.	SW. SW.	131.0 140.0	76.0 78.0	77.2 78.5	77.5 77.9	.876 .896	.764 .902	.847 .903	.879 .900	.92 .89	.71 .85	.90 .88	76 82	.01 4.37	4 6	8 8	8 8	Ck, b. Ck, c.	K, b.	
8 882	'928	'953	'921	'921	921 921	77.5 77.5	84.4 84.4	79.8 79.8	86.3 86.3	70.0 70.0	14.3 14.3	147.0 144.0	62.7 56.6	68.5 67.0	1.5 3.0	SW. NW.	SW. N.	SW. Calm.	134.0 151.0	78.0 79.2	77.4 77.0	77.3 76.5	.852 .905	.809 .840	.887 .887	.859 .820	.68 .59	.62 .95	.86 89	72 82	... 3.26	5 8	9 10	9 10	K, b. Ck, o.	K, b.	
9 914	'841	'958	'904	'904	904 904	86.0 86.0	87.3 87.3	80.5 80.5	79.2 79.2	78.5 78.5	11.0 11.0	143.5 143.5	65.0 65.0	63.3 63.3	4.0 4.0	NNW. NNW.	SW. SW.	SW. Calm.	151.0 152.0	79.2 72.6	77.0 76.0	76.5 74.5	.840 .852	.887 .836	.887 .823	.820 .943	.71 .66	.71 .92	.91 88	78 82	.22 4.37	4 6	10 10	10 10	Pe, o. r. Pe, o.	K, b.	
10 943	'849	'931	'908	'908	908 908	86.4 86.4	84.2 84.2	78.6 78.6	79.2 79.2	78.5 78.5	17.0 17.0	108.5 108.5	21.0 21.0	67.0 67.0	3.5 3.5	NW. NW.	SW. Calm.	SW. Calm.	152.0 152.0	72.6 72.6	76.0 76.0	74.5 74.3	.873 .773	.852 .852	.887 .823	.820 .943	.59 .66	.59 .92	.95 88	89 82	.22 4.37	4 6	10 10	10 10	Pe, o. r. Pe, o.	K, b.	
11 953	'859	'872	'894	'894	894 894	74.8 74.8	79.5 79.5	75.3 75.3	75.0 75.0	70.5 70.5	17.0 17.0	149.0 149.0	61.8 61.8	69.5 69.5	0.5 0.5	NW. NW.	SW. W.	SW. Calm.	140.0 140.0	78.0 78.0	78.5 78.5	77.4 77.9	.896 .896	.902 .902	.896 .903	.900 .900	.89 .89	.85 .77	.91 88	82 88	4.37 4.37	6 4	10 10	10 10	Ck, c. K, b.	K, b.	
12 815	'839	'907	'864	'864	864 864	82.8 82.8	84.2 84.2	78.6 78.6	79.2 79.2	78.5 78.5	17.1 17.1	144.0 144.0	56.6 56.6	67.0 67.0	3.0 3.0	NW. NW.	SW. SW.	SW. Calm.	175.0 185.0	76.0 74.3	77.3 75.5	78.2 74.5	.870 .862	.823 .861	.878 .879	.866 .822	.66 .65	.92 .94	.92 84	81 73	4.37 4.15	6 7	10 10	10 10	Pe, e. r. Pe, e.	Pe, o.	
13 949	'853	'755	'886	'886	886 886	79.8 79.8	86.0 86.0	80.0 80.0	78.9 78.9	87.4 87.4	70.0 70.0	14.1 14.1	148.0 148.0	61.6 61.6	64.4 64.4	10.1 10.1	W. W.	NNW. S.	W. Calm.	131.0 185.0	78.5 74.3	77.5 75.5	78.4 74.8	.879 .862	.822 .861	.876 .834	.832 .832	.55 .95	.92 91	.91 81	81 81	4.37 4.15	7 7	10 10	10 10	Ck, e. Pe, e.	Pe, h.
14 837	'823	'946	'869	'869	869 869	85.8 85.8	86.5 86.5	82.3 82.3	82.3 82.3	86.4 86.4	11.9 11.9	145.0 145.0	55.5 55.5	70.0																							

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF AUGUST, 1890.
 1° 17' N. Lat., 103° 51' E. Long. Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.				CLOUD & WEATHER INITIALS.									
	9 H.	15 H.	21 H.	Mean.	Ins.	°F.	°F.	°F.	Ins.	°F.	°F.	°F.	Ins.	°F.	°F.	Ins.	°F.	°F.	Ins.	°F.	°F.	Ins.	°F.	°F.	Ins.	%	15 H.	21 H.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.				
1	29.908	29.842	29.880	29.877	83.0	86.8	81.5	80.8	87.2	72.0	15.2	144.5	57.3	68.5	3.5	W.	W.	SW.	128	77.8	79.8	77.6	78.4	.974	.923	.890	.929	86	72	83	80	...	2	2	2	C, b.	K, b.	K, b.
2	.902	.847	.901	.883	80.5	83.8	76.0	78.7	84.0	74.3	9.7	135.0	51.0	72.0	2.3	NW.	W.	Calm.	129	78.5	78.0	75.0	77.2	.948	.881	.856	.895	91	76	95	87	...	8	8	8	Ck, o.	C, Ok, o.	Ck, o.
3	.936	.871	.902	.903	82.3	75.8	74.0	76.2	83.2	72.7	10.5	120.5	37.3	71.8	0.9	SW.	NW.	Calm.	128	76.3	74.3	73.5	74.7	.827	.829	.820	.825	75	93	98	88	.12	8	10	10	Ck, c.	Pc, o, d.	Pc, o.
4	.938	.847	.903	.896	82.3	85.0	78.8	80.5	85.3	76.0	9.3	144.5	59.2	72.2	3.8	WNW.	WNW.	Calm.	131	77.8	78.0	77.0	77.6	.892	.866	.907	.888	81	72	92	82	...	4	4	4	K, b.	C, Cs.	Pc, o.
5	.934	.855	.927	.905	83.0	82.8	80.8	79.9	84.3	72.8	11.5	129.0	44.7	68.2	4.6	SW.	W.	SW.	123	78.3	77.5	78.0	77.9	.906	.874	.924	.901	80	78	88	79	...	6	10	6	C, c.	Pc, o.	C, c.
6	.939	.854	.905	.899	84.8	85.8	81.8	28.3	86.2	77.8	8.4	147.5	61.3	72.9	4.9	NW.	SW.	SW.	129	78.0	78.3	78.0	78.1	.865	.867	.910	.882	73	70	84	76	...	10	6	6	Pc, o.	Ck, c.	C, c.
7	.937	.824	.816	.869	84.8	85.2	81.5	81.5	87.8	74.3	13.5	154.0	66.2	73.2	1.1	SW.	SW.	Calm.	129	78.3	78.5	76.8	77.9	.878	.886	.874	.874	73	74	81	76	.05	4	4	4	Ck, b.	Ck, o.	Pc, o.
8	.943	.827	.935	.902	84.8	86.8	82.0	92.7	86.5	77.2	9.3	146.0	59.5	73.5	3.7	NW.	SW.	SW.	128	79.5	77.2	77.5	78.1	.938	.887	.883	.874	78	62	81	74	...	6	3	6	K, c.	C, b.	C, c.
9	.965	.819	.916	.900	83.5	78.8	76.5	77.4	83.5	70.5	13.0	105.0	21.5	69.5	1.0	NW.	SW.	SW.	160	79.0	74.6	75.0	76.2	.932	.902	.849	.894	81	82	93	85	.13	8	9	8	Pc, o.	Pc, o, r.	Pk, o.
10	.912	.828	.872	.870	84.0	85.5	77.0	79.8	86.9	72.5	14.4	149.5	62.6	68.9	3.6	NW.	SW.	SW.	130	78.5	77.0	75.0	76.8	.902	.814	.843	.853	77	66	91	78	...	4	2	0	Ke, b.	C, b.	b.
11	.913	.838	.869	.873	83.5	84.5	81.8	80.8	87.5	73.2	14.3	153.0	65.5	71.8	1.4	ENE.	S.	SW.	130	78.5	77.8	76.8	77.7	.909	.861	.855	.875	79	73	79	77	...	4	5	0	K, b.	Ck, b.	C, b.
12	.914	.814	.904	.874	83.0	84.8	79.5	79.9	81.6	72.5	12.1	151.0	66.4	69.0	3.5	W.	W.	Calm.	129	77.5	78.2	76.0	77.2	.870	.878	.852	.867	77	73	85	78	...	4	8	0	K, b.	C, b.	b.
13	.879	.819	.847	.848	84.0	86.2	81.0	82.1	87.2	77.2	10.0	156.0	68.8	72.8	4.4	SW.	W.	SW.	130	77.5	76.4	78.5	77.5	.857	.783	.943	.861	73	62	89	75	...	4	8	0	Ke, b.	Ck, o.	Pc, b.
14	.886	.790	.879	.852	84.5	84.8	75.0	79.7	87.8	74.5	13.3	155.0	67.2	70.8	3.7	SE.	SW.	SW.	129	78.8	78.5	74.0	77.1	.908	.891	.828	.872	76	74	95	82	.01	2	6	0	K, b.	Pc, o, d.	b.
15	.899	.828	.890	.872	83.8	83.8	78.5	80.1	87.2	74.5	12.9	143.0	55.8	72.5	1.8	W.	SW.	SW.	130	77.3	76.5	75.5	76.4	.864	.816	.844	.844	77	71	87	78	.04	4	10	4	Kc, b.	Pc, o.	C, b.
16	.981	.786	.928	.898	77.2	75.5	74.0	74.8	82.8	72.5	10.3	152.0	69.2	71.4	1.1	NW.	NW.	Calm.	141	75.8	73.3	73.5	74.4	.871	.815	.821	.836	94	92	98	95	.18	8	10	10	Pc, o, d.	Ck, o.	Pc, o.
17	.955	.868	.954	.926	81.2	76.8	75.5	76.4	81.8	71.8	10.0	105.8	21.0	70.2	1.6	W.	SE.	Calm.	135	78.8	71.0	74.5	75.8	.951	.804	.852	.869	90	87	95	91	.29	8	10	8	Pc, o, d.	Pc, o, r.	Pc, c.
18	.982	.910	.920	.901	76.8	84.4	76.8	77.7	84.5	72.2	12.13	154.0	69.5	69.4	2.8	Calm.	W.	Calm.	130	75.5	76.8	75.3	75.9	.862	.826	.858	.849	94	70	93	86	.12	10	8	10	Pc, o, r.	C, o.	Pc, o.
19	.946	.847	.932	.908	75.5	80.8	76.8	76.4	80.9	72.2	8.7	141.0	60.1	70.5	1.7	Calm.	SW.	Calm.	131	74.4	75.8	75.0	76.1	.839	.826	.846	.837	94	78	92	85	.10	10	9	10	Pc, o.	Pc, o.	Pc, o.
20	.925	.862	.923	.872	80.2	76.8	75.0	77.7	81.5	71.0	10.5	104.0	22.5	69.8	1.2	NW.	W.	Calm.	191	76.4	75.0	74.0	75.1	.861	.846	.828	.845	85	92	95	91	.24	8	10	8	C, o.	Pc, o, r.	Pc, o, r.
21	.956	.908	.942	.935	79.9	80.2	75.5	76.9	83.5	72.3	11.2	142.0	58.5	71.2	1.1	W.	Calm.	Calm.	136	76.8	75.8	74.5	75.7	.882	.835	.844	.854	87	81	95	88	.07	8	10	8	Pc, o.	Pc, o.	Pc, o.
22	.965	.814	.893	.840	84.4	78.0	78.9	84.5	72.2	12.3	150.0	65.5	70.0	2.2	W.	W.	Calm.	137	77.3	76.5	76.0	76.8	.888	.805	.872	.855	84	68	91	81	.05	6	8	8	Pc, o, r.	Pc, o.	C, o.	
23	.947	.866	.921	.911	79.0	79.8	75.2	76.1	84.2	70.5	13.7	102.0	17.8	69.4	1.1	SSW.	Calm.	W.	137	75.5	75.5	74.5	75.2	.857	.829	.847	.838	86	81	97	88	.47	10	10	4	Pc, o, r.	Pc, o, r.	Pc, b.
24	.939	.863	.914	.905	74.5	81.8	76.5	75.9	81.8	70.6	11.2	142.0	60.2	69.7	0.9	NW.	W.	Calm.	134	73.8	76.2	75.5	75.2	.826	.820	.871	.842	97	76	95	89	.10	10	5	6	Pc, o, r.	Ck, b.	Pc, c.
25	.930	.858	.897	.898	84.8	83.0	77.8	78.4	82.5	71.6	11.8	140.2	57.5	70.0	1.0	SW.	SW.	Calm.	144	77.8	76.8	76.0	76.4	.899	.830	.876	.868	83	74	92	84	.71	10	8	10	Pc, o.	Ck, b.	Ck, b.
26	.951	.873	.922	.915	78.8	77.5	75.3	75.9	82.8	71.8	11.0	142.0	59.2	70.8	1.0	SW.	SE.	Calm.	140	75.0	74.8	74.0	74.6	.819	.828	.825	.824	83	87	94	88	.32	0	10	10	Pc, o, d.	C, c.	Pc, o.
27	.945	.872	.879	.899	79.0	76.8	75.0	75.6	8.00	71.5	8.5	128.0	48.6	69.9	1.6	NW.	Calm.	Calm.	137	76.5	75.0	74.5	75.3	.851	.846	.849	.849	89	92	98	93	.31	6	10	4	C, c.	Pc, o.	K, Ck, b.
28	.960	.815	.926	.900	84.2	83.4	79.2	79.2																														

Highest Atmospheric Pressure

Lowest Atmospheric Pressure

In the Shade { Highest Temperature

In the Shade; Highest Temperature

{ Lowest Temperature
Greatest Fall of Pressure

Greatest Fall of Rain in 24 hours

30.095 Inches

29.786 „

87.8° Fah.

70.5° „
0.54 X 1

2.74 Inch

* The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

MAX. F. SIMON,
Acting Principal Civil Medical Officer.

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF SEPTEMBER, 1890.
1° 17' N. Lat., 103° 51' E. Long.

Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMI-DITY.			CLOUD 0 to 10		CLOUD & WEATHER INITIALS.	
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	9 A.M. to 3 P.M.	After 3 P.M.			
1	Ins. 29.922	Ins. 29.857	Ins. 29.911	Ins. 29.893	81.5 80.8	78.0 77.9	85.2 85.0	71.5 13.7	138.0 52.8	70.0 70.0	1.5	N.W.	W.	SW.	130	77.5 76.6	76.0 76.0	76.0 76.0	.890	.862	.856	33	81 91	85	.02	8 10 10	C. o.	Pc. o.	Pc. o.	
2	.903	.848	.891	.881	80.0 84.2	76.0 78.0	83.5 83.5	71.8 11.7	129.0 45.5	70.8 70.8	1.0	SSW.	W.	Calm.	140	79.0 78.8	75.0 77.6	77.6 77.6	.979	.916	.856	917	96 79	95 90	1.17	2 5 4	K. b.	Ck. b.	C. b.	
3	.977	.867	.916	.920	75.8 79.3	75.8 75.6	80.2 80.2	71.5 8.7	122.5 42.3	70.7 0.8	0.8	WSW.	W.	Calm.	131	74.8 75.3	75.0 75.0	75.0 75.0	.850	.825	.860	845	95 82	97 91	.02	10 10 8	Pc. o. r.	Pc. o. d.	Pc. o.	
4	.924	.804	.862	.863	82.5 85.8	79.5 80.5	86.2 86.2	74.0 12.2	149.8 63.6	71.5 2.5	2.5	WNW.	WSW.	SSW.	135	78.5 77.8	76.5 77.6	77.6 77.6	.922	.845	.873	.880	83 68	87 79	... 5	2 0	K. b.	K. b.	b.	
5	.885	.772	.844	.834	83.5 87.5	80.0 80.0	87.6 87.6	72.0 15.6	150.2 62.6	70.0 2.0	2.0	W.	W.	SSW.	130	78.0 79.6	76.0 77.8	77.8 77.8	.886	.910	.872	.889	77 69	91 79	.14	4 4 8	C. b.	K. c. b.	G. o.	
6	.843	.741	.778	.787	83.8 87.0	77.0 80.2	87.2 87.2	72.8 14.4	147.5 60.3	71.0 1.8	1.8	WSW.	WNW.	Calm.	136	77.8 78.5	76.0 77.4	77.4 77.4	.872	.861	.886	.873	75 67	95 79	.12	5 2 10	K. b. d.	Ck. b.	Pc. o.	
7	.867	.761	.825	.814	81.8 86.8	82.0 81.0	87.8 87.8	73.5 14.3	152.5 64.7	70.0 3.5	3.5	S.	WSW.	SSW.	134	77.0 79.0	78.0 78.0	78.0 78.0	.865	.888	.906	.853	80 69	83 74	2.91	6 2 4	C. o. d.	Ck. b.	Pc. b.	
8	.855	.776	.828	.819	79.0 82.9	77.8 78.4	82.8 82.8	73.8 9.0	107.8 25.0	72.8 1.0	1.0	SW.	NW.	Calm.	136	76.8 77.2	76.0 77.7	77.7 77.7	.892	.856	.876	.875	90 77	92 86	... 10	10 10	Pc. o. r.	Pc. o.	Pc. o.	
9	.867	.831	.852	.848	85.0 86.5	80.0 81.7	87.5 87.5	75.2 12.3	154.0 66.5	73.2 2.0	2.0	WSW.	W.	Calm.	132	79.8 78.8	77.0 78.5	78.5 78.5	.835	.881	.889	.868	78 69	87 78	.20	4 6	K. b.	K. b.	Pc. e.	
10	.902	.847	.872	.874	75.5 80.4	76.5 76.4	81.4 81.4	73.0 8.4	125.0 43.6	68.9 5.1	5.1	WSW.	NW.	Calm.	134	74.5 75.8	75.0 75.1	75.1 75.1	.842	.802	.849	.831	95 79	98 91	.01	10 10 10	Pc. e. r.	Pc. o.	Pc. o.	
11	.919	.823	.887	.876	84.2 86.6	80.3 81.1	87.0 87.0	73.2 13.8	150.0 63.0	70.8 2.4	2.4	WSW.	S.	Calm.	133	79.9 77.8	78.0 78.6	78.6 78.6	.966	.836	.930	.911	82 65	90 79	.80	2 6	K. b.	K. c.	b.	
12	.945	.767	.895	.870	74.5 82.2	74.0 86.0	82.5 82.5	73.4 9.1	102.0 19.5	71.5 1.9	1.9	WNW.	Calm.	Calm.	136	73.0 76.8	73.5 74.4	74.4 74.4	.793	.849	.823	.822	93 77	98 89	.35	10 10 10	Pc. e. r.	Pc. o.	Pc. o.	
13	.987	.883	.914	.928	77.5 80.8	76.5 77.0	81.8 81.8	73.5 8.3	115.5 33.7	71.9 1.6	1.6	W.	SSW.	Calm.	130	74.0 76.3	75.0 75.1	75.1 75.1	.794	.847	.849	.830	84 80	93 86	... 10	10 10	Pc. o. d.	Pc. o.	Pc. o.	
14	.951	.753	.926	.877	83.5 87.2	79.5 80.9	87.5 87.5	73.5 14.0	151.0 63.5	70.8 2.7	2.7	NW.	W.	Calm.	130	78.5 78.0	77.5 78.0	78.0 78.0	.909	.836	.924	.889	79 65	91 78	.26	6 5 2	C. c.	C. b.	C. b.	
15	.941	.813	.903	.886	79.0 85.0	78.0 79.5	87.2 87.2	75.9 11.3	145.0 57.8	73.5 2.4	2.4	WNW.	W.	Calm.	134	76.0 76.0	76.0 76.0	76.0 76.0	.858	.777	.827	.821	87 64	91 81	... 10	10 10	Pc. o. r.	Pc. r. o.	Pc. r. o.	
16	.946	.844	.912	.901	82.8 85.8	77.0 79.9	85.8 85.8	73.8 12.0	120.0 34.2	72.0 1.8	1.8	W.	WNW.	Calm.	130	77.5 77.8	76.5 77.3	77.3 77.3	.872	.845	.908	.875	77 68	98 81	.02	8 6 8	K. c. o.	C. c.	Pc. o.	
17	.978	.840	.909	.880	78.0 79.4	76.8 76.8	85.0 85.0	73.0 12.0	168.0 20.0	70.8 2.2	2.2	W.	Calm		128	74.0 74.2	74.1 74.1	74.1 74.1	.787	.776	.782	.782	82 78	80 80	.01	10 10 10	Pc. o. d.	Pc. o.	b.	
18	.953	.881	.911	.915	83.5 81.8	79.0 79.6	85.0 85.0	74.2 10.8	130.5 45.5	72.8 1.4	1.4	W.	WSW.	Calm.	130	79.0 76.3	76.0 77.1	77.1 77.1	.932	.834	.858	.875	81 77	82 82	.02	6 10 6	C. c.	Pc. o. d.	C. c.	
19	.956	.884	.930	.910	83.0 85.2	78.4 80.2	85.4 85.4	74.3 11.1	140.0 54.6	72.5 1.8	1.8	SW.	NW.	Calm.	129	78.5 79.5	76.4 76.1	76.1 76.1	.914	.930	.884	.909	81 76	91 83	.02	4 10 10	Pc. k. o.	Pc. o. r.	Pc. o.	
20	.989	.863	.922	.925	74.5 78.8	75.5 75.5	75.4 80.5	72.8 7.7	92.5 14.0	70.8 2.0	2.0	W.	SWS.	Calm.	137	72.2 75.5	74.0 73.9	73.9 73.9	.759	.841	.821	.807	90 85	93 89	.11	10 10 10	Pc. o. d.	Pc. o.	Pc. o.	
21	.912	.798	.910	.840	84.2 84.8	76.7 79.5	86.9 86.9	72.3 14.6	155.5 68.6	69.9 2.4	2.4	WNW.	WNW.	Calm.	129	78.0 78.3	75.7 77.3	77.3 77.3	.877	.881	.878	.879	75 74	95 81	... 6 4 2	K. Pe. b.	K. h.	K. e. b.	K. h.	
22	.920	.766	.918	.868	80.0 86.5	76.5 79.4	86.7 86.7																							

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METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF OCTOBER, 1890.
 1° 17' N. Lat., 103° 51' E. Long.

Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER — REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMI-DITY.			CLOUD & WEATHER INITIALS.													
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Before 9 A.M.	After 3 P.M.												
1	29.953	29.868	29.899	29.907	80.8	86.2	78.0	79.5	88.0	73.0	15.0	151.5	63.5	70.0	3.0	N.W.	N.W.	Calm.	128	78.3	78.5	76.0	77.6	.936	.872	.893	89	69	91	83	...	6	5	2	C, c.	C, b.	Ck, b.	
2	.971	.801	.936	.903	83.0	87.8	76.3	80.2	88.6	73.5	15.1	152.0	63.4	71.8	1.7	WSW	W.	Calm.	130	77.5	78.8	74.5	76.9	.870	.865	.852	.862	77	66	92	79	.10	2	4	2	K, b.	C, b.	K, b.
3	.940	.836	.894	.890	86.0	87.5	80.0	82.0	88.5	74.5	14.0	153.9	65.4	73.3	1.2	N.W.	N.W.	Calm.	129	81.0	78.8	78.0	79.3	.992	.869	.933	.931	80	66	91	77	.33	2	3	2	K, b, d.	C, b.	C, b.
4	.898	.804	.872	.858	84.8	87.5	76.8	80.4	88.2	72.3	15.9	147.8	59.6	69.0	3.3	N.W.	W.	Calm.	150	78.3	77.5	75.8	77.2	.881	.810	.830	.857	74	62	95	77	1.10	10	4	8	Pc, or lt.	Pc, o.	Pc, o.
5	.934	.802	.850	.862	76.5	83.0	80.0	78.0	83.8	72.5	11.3	136.5	52.7	71.3	1.2	N.W.	WSW.	NNE.	150	75.5	78.8	77.3	77.2	.783	.968	.928	.893	69	94	97	87	...	10	8	2	Pc, o, r, t.	Ck, C, o.	Pc, b.
6	.913	.809	.890	.873	84.0	81.0	81.5	80.3	88.5	74.5	14.0	149.5	61.0	72.0	2.5	WNW.	W.	Calm.	130	77.0	79.3	78.5	78.3	.875	.973	.953	.934	83	90	92	88	...	2	5	2	K, b.	Ck, b.	Pc, b.
7	.904	.827	.864	.865	82.5	85.0	78.5	79.9	86.0	73.5	12.5	145.0	59.0	70.0	3.5	WNW.	NW.	Calm.	131	76.5	77.5	76.0	76.7	.833	.844	.865	.847	75	70	89	78	.56	8	8	6	Ck, o, r.	C, o.	Pc, C, r.
8	.884	.817	.877	.859	82.0	85.0	76.0	79.4	85.6	74.5	11.1	132.0	46.4	70.0	4.5	W.	SSW.	133	76.0	77.8	75.0	76.3	.818	.854	.856	.843	75	71	95	80	.27	8	10	10	C, o.	Pc, o, r.	Pc, o.	
9	.895	.831	.875	.874	81.0	86.5	78.0	80.2	86.8	75.2	11.6	150.0	63.2	74.0	1.2	W.	W.	Calm.	137	77.0	78.0	76.8	77.3	.877	.845	.908	.877	83	67	94	81	...	8	8	10	Pc, o.	C, o.	Pc, o.
10	.913	.841	.900	.885	83.8	79.0	76.8	78.2	84.8	73.8	11.0	109.0	25.2	72.5	1.3	NW.	NNW.	Calm.	132	79.0	76.5	75.3	76.9	.939	.889	.865	.898	80	89	95	88	.92	8	10	0	Pc, ko, r.	Pc, o.	b.
11	.950	.760	.915	.875	82.5	83.2	76.0	79.8	88.5	72.5	16.0	149.5	61.0	70.5	2.0	NW.	W.	NW.	136	77.0	79.0	74.0	76.7	.855	.868	.814	.846	77	64	91	77	...	6	5	10	C, c.	Ck, b.	Pc, o, d.
12	.980	.874	.956	.937	78.5	80.0	76.5	77.1	80.2	73.5	6.7	127.5	47.3	72.5	1.0	W.	W.	Calm.	130	75.0	75.2	74.3	75.0	.822	.812	.841	.825	84	79	92	85	.10	10	10	10	Pc, o, d.	Pc, o,	Pc, o.
13	.948	.831	.894	.891	82.8	86.2	78.3	79.9	87.2	72.5	14.7	149.0	61.8	70.0	2.5	NW.	NW.	Calm.	131	76.8	78.5	77.0	77.4	.842	.848	.912	.867	75	69	94	79	...	8	5	2	C, Ck, o.	C, b.	Cs, b.
14	.913	.834	.883	.877	84.0	86.0	78.8	80.4	88.8	72.8	16.0	151.5	62.7	71.8	1.0	NW.	Calm.	Calm.	132	78.5	79.5	75.5	77.8	.902	.920	.810	.887	77	74	85	79	.09	2	2	10	Ck, b.	Kc, b.	Pc, o, r.
15	.926	.778	.809	.838	79.5	85.6	78.0	79.7	87.0	75.5	11.5	154.5	67.5	71.8	3.7	WNW.	W.	Calm.	133	75.0	77.2	75.5	75.9	.809	.819	.851	.826	80	67	89	79	4.0	8	4	10	Ck, b.	Ck, b.	Pc, o.
16	.963	.870	.870	.901	81.0	84.5	78.0	79.3	86.8	73.5	13.3	150.5	63.7	72.5	1.0	WNW.	WNW.	Calm.	135	76.5	78.8	76.5	77.3	.853	.911	.894	.865	80	76	93	83	...	6	8	6	C, Cs, e.	Ck, o.	Pc, Cs.
17	.967	.871	.908	.915	84.0	85.5	78.2	79.7	87.7	72.0	15.7	147.5	59.8	71.0	1.0	WNW.	WSW.	Calm.	133	76.0	78.0	77.5	77.2	.791	.859	.941	.864	68	70	98	79	.42	8	8	8	C, o.	C, o.	Pc, o.
18	.935	.836	.923	.898	75.8	82.8	75.0	76.6	82.9	72.8	10.1	120.5	37.6	71.0	1.8	NW.	W.	Calm.	132	74.0	77.8	74.5	75.4	.817	.886	.850	.851	92	79	98	89	.02	10	10	8	Pc, o, r, l.	C, o.	Pc, o.
19	.950	.841	.922	.904	78.8	83.5	77.0	78.4	84.0	74.5	9.5	135.0	51.0	70.2	4.3	WNW.	SSW.	Calm.	135	76.0	78.0	75.5	76.5	.862	.886	.864	.871	90	77	93	87	...	8	2	2	C, P, o, d.	K, b.	Cs, b.
20	.975	.844	.970	.929	84.0	81.0	76.5	78.4	87.2	72.0	15.2	157.0	69.8	70.5	1.5	NNW.	W.	Calm.	131	78.5	77.8	75.5	77.3	.902	.944	.871	.906	77	86	95	86	1.10	8	10	10	Ck, o.	Pc, o, r, l, t.	Pc, o.
21	30.019	.819	.957	.332	78.8	82.0	77.3	77.8	82.5	73.0	9.5	151.5	69.0	72.5	0.5	NW.	NW																					

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU OBSERVATORY, FOR THE MONTH OF NOVEMBER, 1890.

1° 17' N. Lat., 103° 51' E. Long.

Height of Bar Cistern above Sea Level, 10 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.						TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIV HUMI- DITY.			CLOUD 0 TO 10	CLOUD & WEATHER INITIALS.											
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	9 H.	15 H.	21 H.	Sun.	Difference Sun and Shade.	Grass.	Difference Sun and Radiation.	9 H.	15 H.	21 H.	Total Miles.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	RAIN INCH. ES.	9 A.M. to 3 P.M.	After 3 P.M.
1	Ins. 29.963	Ins. 29.842	Ins. 29.936	Ins. 29.914	83.0	81.8	77.6	78.6	87.3	71.8	15.5	153.0	65.7	70.0	1.8	NNE.	N.	Calm.	129	77.0	76.3	76.6	76.6	848	834	904	862	75	77	95	82	.10	2	8	6	K, b.	Pc, o, d.	Cs, c.
2	.950	.860	.937	.916	80.2	79.5	76.0	77.1	87.2	72.5	14.7	159.5	72.3	69.9	2.6	N.	NW.	Calm.	132	76.0	76.5	75.0	75.8	843	873	856	857	81	87	95	88	.8	6	0	0	Ck, o.	C, c.	b.
3	.949	.843	.934	.902	84.0	82.8	75.5	78.5	86.5	71.8	14.7	152.0	65.5	68.9	2.9	NNW.	NNW.	Calm.	129	77.5	77.0	74.3	76.3	856	852	834	847	74	77	95	82	.1	2	10	2	b.	Pc, o.	C, b.
4	.972	.900	.960	.944	82.8	80.0	76.8	78.1	86.2	73.8	13.4	153.5	67.3	70.0	2.3	NE.	N.	Calm.	129	78.0	76.2	75.0	76.4	896	856	846	866	80	84	93	86	.22	4	10	10	K, b.	Pc, o, r.	Pc, o.
5	.967	.941	.964	.957	83.8	74.4	74.0	75.7	85.5	70.5	15.0	129.8	44.3	67.9	2.6	N.	NW.	Calm.	135	77.8	73.8	73.5	75.0	872	826	820	839	75	97	97	89	.238	4	10	10	Kc, b.	Pc, o, r, l.t.	Pc, o.
6	.922	.876	.916	.905	85.3	78.2	76.5	78.2	87.5	72.9	14.6	154.5	67.0	68.9	4.0	NNE.	NW.	Calm.	132	76.8	76.6	75.0	76.1	808	903	849	853	66	92	93	84	.02	6	10	10	Ck, c.	Pc, o, d.	Pc, o.
7	.928	.843	.915	.896	83.0	80.8	76.0	77.7	86.2	71.0	15.2	148.5	62.3	70.0	1.0	NNW.	NW.	Calm.	132	77.8	76.0	75.0	76.3	884	835	856	858	78	80	95	84	.08	2	10	8	Ck, b.	Pc, o, r.	Pc, o, d.
8	.971	.867	.968	.835	84.8	86.5	76.5	80.1	88.3	72.4	15.9	152.5	61.2	71.5	0.9	NE.	W.	Calm.	130	78.0	78.0	75.3	76.1	868	877	862	869	73	67	94	78	.15	2	6	10	Ck, b.	Ck, c.	Pc, o, r.
9	.932	.850	.917	.899	78.2	83.8	76.0	77.5	84.8	72.0	12.8	121.0	36.2	71.0	1.0	NW.	NW.	N.	130	76.8	77.4	74.5	76.1	906	840	835	860	94	74	93	84	.01	10	16	6	Pe, o, r.	Kc, o.	Pc, c.
10	.939	.833	.917	.896	85.0	86.8	76.5	80.2	89.5	72.3	17.2	163.5	74.0	70.9	1.4	N.	W.	Calm.	130	77.8	79.5	75.5	77.6	858	911	871	880	72	72	95	79	.45	2	5	10	Ck, b.	Pe, c.	Pc, o, r.
11	.932	.785	.911	.876	82.3	76.2	75.8	76.8	86.2	72.8	13.4	152.5	66.3	70.0	2.8	NNW.	NW.	Calm.	139	77.0	75.0	74.8	75.9	859	854	852	855	79	94	95	89	.122	4	10	10	Ck, c.	Pc, o, r, l.t.	Pc, o.
12	.966	.778	.961	.902	75.3	78.8	75.6	75.5	81.8	72.3	9.5	112.5	30.7	71.0	1.3	NW.	NW.	Calm.	135	74.5	76.8	73.5	74.9	851	896	807	851	96	91	93	93	.40	10	10	10	Pe, o, d.	Pc, o.	Pc, o.
13	30.006	.873	.940	.939	76.5	84.0	75.8	77.8	85.2	73.0	12.2	152.7	67.5	71.0	2.0	NW.	NW.	Calm.	130	75.0	77.0	74.8	75.6	849	834	850	844	93	72	95	87	.05	10	6	10	Pe, o.	C, c.	Pc, o.
14	29.949	.877	.942	.923	78.6	78.5	75.5	78.4	80.2	72.5	7.7	145.5	65.3	69.8	2.7	NW.	NW.	Calm.	131	75.5	74.8	74.0	74.8	841	814	821	826	87	84	93	88	.02	9	10	10	Pe, e.	Pc, o.	Pc, o.
15	.964	.839	.929	.911	78.8	76.0	73.0	74.7	82.2	71.0	11.2	155.8	73.6	70.5	0.5	NW.	N.	Calm.	130	75.3	74.4	72.5	74.1	831	832	794	818	85	93	98	92	.02	4	10	2	Ck, b.	Pc, o, d.	C, b.
16	.954	.830	.945	.909	80.2	82.8	74.5	77.5	86.8	72.5	14.3	150.5	63.7	70.0	2.5	NNW.	W.	Calm.	134	76.0	77.3	73.5	75.9	843	810	814	822	81	77	95	84	.130	4	6	10	Ck, c, b.	Pc, k, c.	Pc, o, r.
17	.952	.857	.934	.914	83.3	85.0	76.5	79.3	87.0	72.5	14.5	154.5	67.5	70.2	2.3	NE.	W.	Calm.	135	78.0	78.5	75.0	77.2	890	888	849	876	78	74	93	82	.167	10	8	8	Pe, o.	Pc, o, d.	Pc, o, r.
18	.942	.880	.938	.920	80.2	82.5	76.8	78.3	85.8	73.5	12.3	145.9	60.1	71.8	1.7	NE.	WNW.	Calm.	130	77.5	77.5	75.8	76.9	909	877	880	889	88	79	95	87	.02	6	10	10	Ck, c.	Pe, o, r.	Pc, o.
19	.967	.923	.966	.952	84.0	86.5	78.5	80.6	87.5	73.5	14.0	Not registered	70.5	3.0	NE.	WNW.	Calm.	129	78.5	80.0	76.0	78.2	902	937	865	901	77	78	89	81	.02	4	8	8	Ck, b.	Pe, c, o.	Pc, o.	
20	.958	.864	.930	.917	84.5	82.5	76.5	79.2	86.5	73.2	13.0																											

METEOROLOGICAL RESULTS OF THE KANDANG KERBAU HOSPITAL OBSERVATORY, FOR THE MONTH OF DECEMBER, 1890.
 1° 17' N. Lat., 103° 51' E. Long. Height of Bar Cistern above Sea Level, 10 ft.

DATE	BAROMETER—REDUCED TO 52°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.				CLOUD 0 to 10.		CLOUD & WEATHER INITIALS.								
	9 H.	15 H.	21 H.	Mean.	Ins.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	Sun.	Difference Sun and Shade.	Direction.	Velocity.	9 H.	15 H.	21 H.	Total Miles.	Ins.	° F.	° F.	° F.	Mean.	9 H.	15 H.	21 H.	Mean.	Inches.	RAIN.	9 A.M.	Before 9 A.M.	After 3 P.M.					
1 29-895	Ins.	29-769	29-881	29-848	81-8	84-0	76-0	78-3	86-5	71-5	15-0	154-3	67-8	69-5	2-0	NE.	SE.	Calm.	131	76-8	77-5	75-0	76-4	·855	·797	·856	·836	79	%	74	95	83	.40	4	4	10	K, b.	Pc, K, b.	Pc, o, r.
2 ·905	·806	·900	·870	81-8	84-2	77-0	78-7	86-2	71-8	14-4	154-5	68-3	69-8	2-0	NE.	NE.	Calm.	129	77-0	78-0	75-5	76-8	·865	·877	·864	·879	80	%	74	93	83	..	2	2	8	K, Pe, c.	Pc, o.	C, b.	
3 ·952	·852	·916	·907	83-2	81-6	75-5	78-3	87-4	72-9	14-5	151-0	63-6	70-8	1-9	N.	NW.	NE.	130	77-0	77-2	74-5	76-2	·845	·872	·842	·853	75	%	82	95	84	..	6	2	9	O, k, b.	Pc, o.	C, b.	
4 ·975	·795	·936	·902	81-0	78-0	74-0	75-8	83-8	70-0	13-8	132-5	48-7	67-5	2-5	NW.	NW.	Calm.	193	77-5	76-0	73-0	75-5	·897	·872	·800	·856	85	%	91	95	90	.66	6	8	2	O, k, c.	Pc, C, o.	Pc, o, r.	
5 ·941	·872	·935	·916	82-0	80-8	76-0	77-8	83-8	72-5	11-3	142-5	58-7	72-0	0-5	NW.	NW.	NW.	136	77-0	77-0	75-0	76-5	·862	·879	·856	·866	79	%	84	95	86	1.01	4	8	10	O, k, l.	Pc, K, o, r.	Pc, b.	
6 ·952	·849	·935	·912	87-0	84-2	75-8	76-8	84-9	70-0	14-9	138-7	53-8	67-5	2-5	N.	NNW.	Calm.	135	76-0	76-7	75-0	75-9	·836	·819	·860	·855	95	%	70	97	87	.12	10	4	2	Pc, o, r.	K, b.	b.	
7 ·950	·844	·912	·902	82-6	82-8	77-0	78-2	85-0	70-5	14-5	151-5	66-5	69-0	1-5	W.	NE.	Calm.	131	78-2	77-8	75-5	77-2	·903	·886	·864	·851	82	%	79	93	85	..	4	8	0	Pc, b.	Pc, o.	b.	
8 ·969	·829	·891	·896	78-0	83-2	75-8	77-3	83-5	72-0	11-5	131-5	48-0	70-0	2-0	NW.	W.	Calm.	133	76-5	78-0	75-0	76-5	·894	·891	·862	·882	93	%	78	95	89	.11	8	8	0	O, k, o, r.	Pc, o.	Po, r.	
9 ·963	·865	·942	·923	79-0	77-8	75-5	74-4	83-8	70-2	13-6	150-5	66-7	68-7	1-5	NW.	NW.	Calm.	146	76-5	75-5	74-5	75-5	·880	·868	·842	·863	89	%	94	95	93	3.71	10	10	10	Pc, o.	Pc, o, r.	Pc, o, d.	
10 ·946	·931	·923	·933	79-5	77-6	74-8	75-9	84-0	71-9	12-1	157-5	73-5	69-8	2-1	NW.	W.	Calm.	144	77-0	75-5	73-8	75-4	·895	·857	·832	·828	89	%	90	9	93	.34	0	10	10	K, b.	Pc, o, d.	Pc, o.	
11 ·960	·853	·939	·917	78-3	77-2	75-0	75-6	81-4	71-8	10-6	122-5	41-1	68-5	3-3	NW.	NE.	Calm.	141	76-8	75-0	74-0	75-3	·903	·841	·828	·867	93	%	90	95	93	1.05	5	10	10	Pc, o.	Pc, o, r.	Pc, o, r.	
12 ·913	·834	·902	·883	79-5	82-8	75-8	77-5	84-2	71-9	12-3	146-5	62-3	65-9	3-0	NW.	NE.	Calm.	131	75-5	77-3	75-0	76-9	·831	·864	·860	·852	82	%	77	96	95	.10	4	7	10	C, b.	Pc, o.	Pc, o, r.	
13 ·924	·880	·901	·902	82-2	77-0	76-0	76-9	84-8	72-3	12-5	150-0	65-2	70-0	2-3	NW.	NW.	Calm.	134	77-0	75-8	75-0	75-9	·859	·877	·856	·864	78	%	83	95	89	1.21	2	9	10	C, b.	Pc, o, r.	Pc, o.	
14 ·954	·863	·923	·913	75-5	79-0	74-8	75-4	81-2	72-2	9-0	124-5	43-3	69-9	2-3	NW.	NE.	Calm.	133	75-0	75-0	74-0	75-0	·856	·816	·831	·834	78	%	82	97	86	.10	10	10	8	Pc, o, r.	Pc, o, r.	Pc, o.	
15 ·976	·860	·925	·920	74-5	80-0	74-3	75-4	82-4	72-5	9-9	132-5	50-1	71-8	0-7	NE.	NE.	Calm.	131	73-5	76-0	73-5	74-3	·814	·845	·818	·826	95	%	82	97	91	.21	10	10	8	Pc, o, r.	Pc, Pk, o.	Pc, o.	
16 ·948	·867	·921	·912	77-0	84-2	75-8	76-5	81-4	72-0	9-4	112-2	39-8	68-0	4-0	NE.	NW.	NE.	130	75-0	77-0	74-5	75-7	·843	·873	·845	·854	91	%	82	94	87	..	10	10	16	Pc, o.	Pc, o.	Pc, o.	
17 ·977	·855	·934	·922	79-0	86-2	76-5	77-9	86-4	70-0	14-4	149-5	63-1	66-8	3-2	NW.	NW.	NE.	128	75-5	76-5	74-0	75-3	·837	·783	·807	·809	85	%	62	82	78	..	10	8	2	C, o.	C, b.	C, o.	
18 ·959	·847	·931	·912	81-8	84-8	76-6	78-2	87-8	70-2	17-6	157-5	69-7	67-0	3-2	NE.	W.	Calm.	130	74-5	77-0	74-5	75-3	·758	·825	·835	·806	70	%	63	93	77	..	2	10	2	K, b.	Pc, o.	Ck, b.	
19 30-004	·852	·940	·932	82-5	83-0	76-5	77-7	85-8	68-7	17-1	149-5	63-7	66-8	1-9	NE.	N.	NE.	129	76-8	77-5	75-5	76-6	·847	·870	·871	·863	76	%	77	95	83	.17	4	6	6	C, c.	Ck, b.	Ck, b.	
20 29-998	·891	·961	·950	77-0	85-0	76-0	76-3	86-0	67-3	18-7	152-3	66-3	64-5	2-8	NW.	NE.	Calm.	132	74-8	78-5	73-3	75-5	·833	·888	·785	·833	90	%	74	89	84	..	10	8	6	Pc, o.	Ck, o.	Ck, c.	
21 ·901	·819	·889	·869	81-0	86-4	77-5	78-5	87-5	69-9	17-6	155-0	67-5	65-5	4-4	NE.	NW.	NE.	129	75-3	76-4	74-8	75-5	·802	·778	·820	·802	76	%	61	87	75	..	2	4	2	C, b.	Ck, b.	Ck, b.	
22 ·975	·844	·968	·929	84-0	86-0	77-0	79-8	90-2	72-2	13-0	154-2	64-0	68-2	4-0	NW.	NE.	NE.	128	77-0	76-5	74-0	75-8	·834	·786	·801	·817	72	%	63	86	74	..	2	2	2	C, b.	Ke, b.	Ck, b.	
23 ·986	·895	·975	·952	81-8	81-0	76-0	76-9	86-2	68-9	17-3	155-5	69-3	67-2	1-4	NE.	SSW.	Calm.	131	78-8	76-5	74-0	76-4	·945	·853	·814	·871	87	%	91	86	86	.02	4	6	0	O, k, b.	Kc, Kc, d.	b.	
24 30-023	·928	·979	·980	85-8	88-2	74-5	79-4	90-0	71-0	19-0	155-0	65-0	70-5	0-5	NE.	NE.	Calm.	132	77-8	78-0	74-0	76-6	·863	·823	·774	·820	75	%	62	78	72	1.10	2	8	4	C, b.	Pc, o, r.	Ck, b.	
25 29-994	·864	·950	·936	79-8	87-5	76-8	78-6	87-8	72-0	15-8	152-5	64-7	69-9	2-1	N.	NW.	Calm.	129	76-8	76-5	74-3	75-9	·881	·765	·815	·920	87	%	59	88	78	..	4	4	2	Pc, e.	K, b.	Cs, b.	
26 ·979	·831	·941	·917	80-8	85-5	76-0	78-6	87-8	72-0	15-8	152-5	64-7	69-9	2-1	N.	ESE.	Calm.	125	76-8	79-0	74-5	76-8	·869	·904	·835	·869	83	%	74	93	80	.07	2	6	10	Cs, K, b.	Ck, c.	Pc, o, r.	
27 ·982	·85																																						

Highest Atmospheric Pressure

Highest Atmospheric Pressure
Lowest Atmospheric Pressure

Lowest Atmospheric Pressure
Highest Temperature

{ Highest Temperature
{ Lowest Temperature

Greater Fall of Rain in 24 hours

30.023 Inches

60.025 INCHES
29,769 "

90.[°]2 Fah.

67.3

3.71 Inches

* The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

MAX. F. SIMON.

METEOROLOGICAL RESULTS OF THE PENANG HOSPITAL OBSERVATORY, FOR THE MONTH OF JANUARY, 1890.
5°24' N. Lat., 100°-2 E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD 0 to 10.		CLOUD & WEATHER INITIALS.											
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	After 3 P.M.								
1	29.854	29.813	29.836	29.801	82.0	85.0	80.0	80.2	87.0	75.0	12.0	152.0	65.0	70.0	5.0	NE.	NE.	NW.	.65	77.0	79.0	77.0	77.0	.862	.911	.889	.887	79	76	87	81	...	4	4	4	Cs, b.	Cs, b.	Cs, b.
2	.870	.844	.852	.855	82.0	86.0	80.0	81.0	88.0	76.0	12.0	154.0	66.0	71.0	5.0	NE.	NE.	NW.	.175	77.0	80.0	76.0	77.2	.862	.944	.845	.884	79	76	82	79	...	4	6	2	Cs, b.	Cs, b.	Cs, b.
3	.855	.753	.827	.812	82.0	84.0	79.0	80.0	77.0	75.0	12.0	155.0	68.0	70.0	5.0	NE.	NE.	NW.	.195	77.0	76.0	75.0	75.7	.862	.791	.816	.826	79	76	82	76	...	6	4	2	Ck, b.	Cs, b.	Cs, b.
4	.897	.854	.873	.873	82.0	85.0	79.0	80.1	77.0	75.0	12.0	156.0	69.0	70.0	5.0	NE.	NE.	NW.	.160	77.0	79.0	75.0	77.5	.862	.911	.816	.863	79	76	82	76	...	6	5	4	Ck, b.	Cs, b.	Cs, b.
5	.937	.820	.910	.889	81.0	83.0	77.0	79.0	86.0	75.0	11.0	145.0	59.0	69.0	6.0	NE.	NE.	NW.	.50	75.0	77.0	74.0	75.2	.789	.848	.804	.813	74	75	86	78	2.00	8	8	10	Pk, s.	Pk, o.	Pk, o,d.
6	.967	.930	.946	.948	80.0	83.0	79.0	78.9	86.0	73.5	12.5	143.0	57.0	69.0	4.5	NE.	NE.	NW.	.80	73.0	76.0	75.0	74.3	.719	.804	.816	.780	70	71	82	74	...	6	4	4	Pk, s.	Ck, b.	Ck, b.
7	.974	.827	.938	.913	82.0	86.0	79.0	80.0	87.0	73.0	14.0	148.0	61.0	66.0	7.0	NE.	NE.	NW.	.125	76.0	77.0	75.0	72.7	.818	.807	.816	.814	75	65	82	74	...	6	4	2	Ck, b.	Cs, b.	Cs, b.
8	.909	.795	.886	.863	79.0	86.0	77.0	78.2	88.0	72.0	16.0	153.0	65.0	68.0	4.0	NE.	NE.	NW.	.140	76.0	76.0	75.0	74.7	.858	.764	.843	.822	87	61	91	80	...	2	2	2	Cs, b.	Cs, b.	Cs, b.
9	.959	.778	.971	.903	81.0	90.0	81.0	80.3	90.0	71.0	19.0	147.0	57.0	66.0	5.0	NE.	NE.	NW.	.60	74.0	76.0	77.0	74.5	.747	.710	.747	.735	71	50	71	64	.10	4	5	4	Pk, b.	Ck, b.	Cs, b.
10	.970	.840	.870	.893	81.0	86.0	80.5	80.5	88.5	74.5	14.0	151.0	62.5	68.0	6.5	NE.	NE.	NW.	.140	76.0	78.0	77.0	71.3	.831	.852	.882	.855	78	68	82	77	...	4	4	8	Ck, b.	Ck, b.	Ck, b.
11	.952	.845	.916	.904	83.5	81.5	78.5	79.9	89.0	76.0	13.0	148.0	59.0	70.0	6.5	NE.	NE.	NW.	.135	79.0	78.0	77.0	75.0	.899	.886	.849	.878	81	75	93	83	.50	5	5	6	Pk, b.	Ck, b.	O, r.
12	.847	.812	.841	.833	82.5	88.7	80.0	81.6	92.0	75.0	17.0	150.0	58.0	72.0	3.0	NE.	NE.	NW.	.85	76.0	81.0	75.0	74.2	.811	.965	.802	.863	73	73	78	75	.70	2	4	4	Ck, b.	Pk, c.	Pk, o,d.
13	.914	.788	.820	.834	79.5	87.5	78.0	79.0	88.5	71.0	17.5	145.0	56.5	66.5	4.5	NE.	NE.	NW.	.50	76.0	74.5	74.0	72.8	.679	.707	.794	.726	73	55	86	71	.30	2	2	6	Ck, b.	Ck, b.	Pk, s.
14	.910	.802	.890	.867	79.5	91.0	78.5	80.3	92.5	72.0	20.5	146.0	53.5	69.0	5.0	NE.	NE.	NN.	.114	72.0	79.0	76.0	74.7	.685	.830	.865	.793	68	51	89	79	.10	4	3	2	Cs, b.	Ck, b.	Ck, b.
15	.953	.821	.927	.900	73.5	89.5	80.5	99.8	90.5	75.5	15.0	149.0	58.5	71.0	4.5	NE.	NE.	NW.	.85	71.5	73.0	75.0	73.7	.666	.591	.795	.684	70	43	76	63	.10	4	5	8	Pk, o.	Ck, b.	Cs, b.
16	.959	.844	.952	.910	83.5	85.0	81.5	81.8	89.5	77.0	12.5	143.0	53.5	72.0	5.5	NE.	NE.	NW.	.90	78.5	78.0	78.0	77.8	.893	.866	.913	.890	79	72	85	78	.30	5	6	8	Ck, b.	Ck, b.	Pk, o.
17	.961	.857	.915	.911	78.0	80.5	76.0	77.1	86.5	74.0	12.5	142.0	55.5	70.5	3.5	NE.	NE.	NW.	.75	73.5	79.0	75.5	75.5	.746	.884	.839	.823	78	69	89	78	.20	4	7	10	Ck, b.	Cs, b.	Pk, o.
18	.913	.798	.876	.862	77.5	79.5	74.5	76.4	81.0	74.0	13.0	105.0	24.0	73.5	5.0	NE.	NE.	NW.	.150	75.5	77.0	73.0	74.8	.843	.895	.793	.843	91	89	93	91	...	8	8	10	Pk, o.	Pk, o,r.	Pk, o,d.
19	.960	.833	.939	.910	80.5	85.5	82.0	81.4	86.0	77.5	8.5	153.0	67.0	69.0	8.5	NE.	NE.	NW.	.94	73.0	75.0	74.0	73.7	.712	.728	.733	.724	68	59	67	64	...	2	4	8	Ck, b.	Cs, b.	Ck, b.
20	.973	.800	.913	.895	80.5	86.0	79.0	80.4	86.5	76.0	10.9	148.0	61.5	65.0	1.1	NE.	NE.	NW.	.55	75.5	71.5	72.0	72.6	.802	.565	.692	.842	78	46	70	64	...	2	7	4	Ck, b.	Pk, o,d.	Cs, b.
21	.977	.841	.912	.910	81.	86.0	80.0	81.1	87.0	77.5	9.5	150.0</																										

METEOROLOGICAL RESULTS OF THE PENANG, OBSERVATORY, FOR THE MONTH OF FEBRUARY, 1890.
5°24' N. Lat., 100°20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIV HUMIDITY.			CLOUD 0 TO 10			CLOUD & WEATHER INITIALS.										
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.	Range.	Sun.	Difference Sun and Shade.	Grass.	9 H.	15 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.						
1	30.017	29.892	29.806	29.905	82.0	88.5	78.0	80.3	90.5	72.5	18.0	...	...	69.5	3.0	NE.	NW.	110	73.5	76.0	77.0	74.7	.699	.730	.916	.781	.65	.54	.95	71.3	..	1	6	10	Cb.	Ck, c.	Pk, o.
2	29.973	.900	.915	.929	79.5	88.0	79.0	79.5	89.0	71.5	17.5	...	...	69.5	2.0	NE.	NW.	45	74.5	76.0	77.0	74.7	.774	.737	.902	.804	.78	.56	.91	75.0	..	4	5	7	Ck, b.	Cs, c.	Pc, c.
3	.993	.881	.820	.898	81.0	87.0	78.0	79.7	88.0	73.0	15.0	...	...	68.0	5.0	NE.	NW.	105	73.0	75.0	75.0	74.0	.703	.707	.829	.747	.67	.55	.86	69.0	..	1	3	5	Cb.	Kb.	Ck, c.
4	.914	.890	.904	.902	83.5	88.0	79.0	83.0	88.5	71.5	17.0	...	...	65.5	6.0	NE.	NW.	210	73.0	79.0	76.0	74.8	.678	.871	.858	.802	.59	.66	.87	70.0	..	1	6	9	Cb,	Ck, c,	Pc, c,
5	.909	.820	.810	.846	81.5	89.0	78.0	81.1	90.0	76.0	14.0	...	...	71.5	4.5	NE.	NW.	202	73.5	76.0	75.0	75.1	.705	.723	.829	.752	.67	.53	.86	68.0	.20	3	8	10	Cs, b.	Ck, c.	Pc, Pkor
6	.946	.841	.820	.869	80.0	86.0	76.0	79.2	90.0	75.0	15.0	...	...	72.0	3.0	NE.	NW.	110	72.5	76.0	74.0	74.3	.924	.764	.814	.834	.68	.61	.91	73.0	.70	9	8	10	Pc, Pke.	Pk, c.	Or.
7	.920	.797	.800	.839	82.5	87.0	76.0	79.8	88.5	74.0	14.5	...	...	72.0	2.0	NE.	NW.	50	77.5	78.0	75.0	73.6	.862	.838	.856	.852	.78	.65	.95	79.0	.10	7	6	10	Kc.	Kc.	Pc, Pko.
8	.819	.836	.820	.825	82.0	87.5	78.0	80.2	89.0	73.5	15.5	...	...	69.5	4.0	NE.	NW.	50	76.0	74.0	76.0	74.8	.818	.659	.759	.745	.75	.50	.91	75.0	..	2	4	10	Cb.	Kb.	Pc, Pko.
9	.913	.814	.804	.843	82.5	88.5	76.0	80.6	89.5	75.5	14.0	...	...	72.5	3.0	NE.	NW.	140	74.0	76.0	75.0	75.1	.726	.737	.856	.773	.65	.54	.63	60.0	.10	3	4	10	Cs, b,	Kc, b,	Or.
10	.913	.804	.800	.839	85.0	85.0	78.0	80.3	89.0	73.0	16.0	145.0	56.0	72.0	1.0	NE.	NW.	105	76.5	75.0	76.0	70.8	.784	.866	.872	.840	.66	.67	.91	76.0	.30	3	4	10	Cs, b,	Ck, b,	Or.
11	.759	.798	.802	.798	80.0	84.0	80.0	79.7	88.5	75.0	13.5	160.0	71.5	73.5	1.5	NE.	NW.	85	73.0	77.0	75.0	75.0	.719	.834	.702	.751	.70	.72	.78	76.0	.60	6	10	10	Ck, c.	Or.	Or.
12	.890	.810	.820	.840	78.5	79.5	76.0	77.0	81.0	74.0	7.0	123.0	42.0	71.0	3.0	NE.	NW.	125	75.0	76.5	75.0	75.1	.839	.858	.856	.851	.89	.87	.95	90.0	..	9	9	9	Pc, o.	Pc, o.	Pc, o.
13	.946	.791	.816	.851	81.0	85.0	78.0	79.6	87.5	74.5	13.0	160.0	72.5	72.0	2.5	NE.	NW.	125	76.0	78.5	77.0	76.5	.831	.879	.916	.875	.78	.72	.95	81.0	.60	8	8	10	Pc, c.	Pc, Cke.	Or.
14	.875	.804	.815	.831	82.5	85.0	79.0	80.0	88.0	74.5	13.3	152.0	64.0	70.0	4.5	NE.	NW.	100	76.5	78.0	76.0	76.2	.818	.834	.858	.836	.75	.72	.87	78.0	.40	8	8	10	CK, c,	Pc, c.	Or.
15	.835	.780	.800	.805	83.5	83.0	78.0	79.8	86.5	75.0	11.5	159.0	72.5	70.0	5.0	NE.	NW.	75	78.5	77.0	76.0	76.6	.893	.848	.872	.871	.79	.75	.91	81.0	..	5	6	5	Cs, b.	Ck, c.	Ck, c.
16	.806	.707	.750	.754	80.0	87.5	77.0	79.7	88.5	74.5	14.0	161.0	75.5	72.0	2.5	NE.	NW.	30	77.5	78.0	75.0	76.2	.895	.832	.843	.856	.89	.63	.91	81.0	.30	10	7	10	Od.	Kc.	Or.
17	.837	.742	.808	.793	85.0	88.0	78.0	81.7	89.5	76.0	13.5	153.0	63.5	72.5	3.5	NE.	NW.	85	79.0	78.0	76.0	77.2	.891	.835	.872	.862	.70	.62	.91	74.0	.30	4	5	9	Kc, b.	Kc, b.	Or.
18	.905	.793	.830	.842	84.0	85.0	78.5	80.7	88.5	75.5	13.0	151.0	62.5	72.5	3.0	NE.	NW.	165	77.0	78.0	76.0	76.7	.841	.859	.865	.855	.73	.68	.89	76.0	.70	4	8	10	Kb.	Ck, c,	Or,
19	.919	.820	.840	.859	82.0	86.0	78.0	80.1	86.5	74.5	12.0	148.0	61.5	72.0	2.5	NE.	NW.	130	77.5	78.0	75.0	76.0	.868	.852	.829	.849	.81	.68	.66	71.0	..	7	8	10	Pe, c.	Pk, c.	Ck, d.
20	.910	.795	.824	.843	83.0	87.5	77.0	79.8	88.5	72.0	16.5	146.0	57.5	68.5	3.5	NW.	NW.	130	78.0	78.0	75.0	75.0	.893	.832	.863	.862	.79	.64	.75	72.0	..	4	3	8	Cs, b,	Kb,	Ck, d.
21	.909	.780	.830	.839	82.0	88.0	80.1	90.0	74.5	15.5	149.0	59.0	73.0	1.5	NW.	NW.	140	75.5	78.5	75.0	75.8	.782	.832	.856	.823	.73											

METEOROLOGICAL RESULTS OF THE GAOL HOSPITAL OBSERVATORY, FOR THE MONTH OF MARCH, 1890.
5°24' N. Lat., 100°20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE	BAROMETER—REDUCED TO 32°			TEMPERATURE OF AIR.						TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIV HUMI- DITY.			CLOUD 0 TO 10			CLOUD & WEATHER INITIALS.									
	9 H.	15 H.	21 H.	Mean.			15 H.	21 H.	*	Mean.	Maximum.	Minimum.	Range.	Sun.	Difference Sun and Shade.	Grass.	Difference Shade and Radiation.	9 H.	15 H.	21 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Rain Inch- es.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.	
1	934	841	917	897	83.0	88.5	78.5	81.1	90.0	74.5	15.5	150.0	60.0	72.5	2.0	NW.	SE.	S.	140	75.5	77.5	77.0	75.5	783	795	909	829	69.59	93	74	..	4	4	4	Cs, .c.	Cs, .c.	Cs, .c.
2	950	847	921	906	80.0	85.0	77.5	79.2	87.5	74.5	13.0	146.0	58.5	73.0	1.5	NW.	SE.	S.	75	75.0	77.0	76.5	75.1	958	821	901	893	79.68	95	81	.62	8	10	10	Pk, o.	Pk, o.	Pk, o.
3	958	796	914	889	81.5	89.0	79.5	80.9	89.0	73.5	15.5	150.5	61.5	71.5	2.0	N.	S.	S.	80	77.0	80.0	77.5	76.7	868	903	917	896	81.66	91	79	.40	5	7	10	Cs, b.	Cs, b.	Cs, b.
4	964	825	927	905	83.0	88.5	79.0	80.7	90.0	72.5	17.5	155.0	65.0	71.0	1.5	NW.	W.	S.	50	77.0	79.5	77.0	76.1	848	887	902	879	75.66	91	77	.03	3	6	8	Cs, b.	Cs, b.	Cs, b.
5	959	809	934	901	82.0	87.0	78.5	80.1	89.5	73.0	16.5	152.5	63.0	70.5	2.5	NW.	SE.	S.	40	77.0	79.0	77.0	75.7	862	884	909	885	79.69	93	80	..	4	4	6	Cs, b.	Cs, c.	Cs, c.
6	966	820	936	907	83.0	88.5	78.5	80.6	90.5	72.5	18.0	150.5	60.0	71.0	1.5	N.	NNW.	W.	60	77.0	79.5	77.5	75.9	848	887	932	889	75.66	95	79	..	3	2	0	C,b.	C,b.	b.
7	943	807	921	890	84.5	89.0	78.0	81.0	90.5	72.5	18.0	149.5	59.0	71.0	1.5	NE.	N.	SW.	140	77.0	80.0	77.0	76.0	828	903	916	882	70.66	95	77	..	2	2	2	C,b.	C,b.	Cb.
8	897	783	876	852	82.0	88.5	77.0	80.2	90.0	73.5	16.5	150.0	60.0	72.0	1.5	N.	E.	SW.	55	75.5	80.0	76.5	75.5	796	910	846	851	73.68	78	73	..	0	4	4	B.	Pk, c.	Pk, c.
9	900	793	887	860	84.0	89.0	77.0	81.2	90.0	75.0	15.0	150.5	60.5	72.5	2.5	N.	SE.	S.	95	76.5	80.0	77.0	76.0	813	903	929	882	69.66	100	78	.05	2	6	6	Cb.	Pc, c.	Pc, c.
10	904	787	893	861	83.0	88.0	77.0	80.0	90.0	75.5	14.5	146.5	56.5	74.0	1.5	N.	NNW.	W.	110	77.0	79.5	76.0	76.2	848	893	886	876	75.67	95	79	..	4	3	6	Pc, c.	Cs, b.	Pk, c.
11	855	750	822	809	83.5	86.5	82.0	82.2	90.0	77.0	13.0	152.5	62.5	75.5	1.5	N.	NW.	SW.	100	78.5	80.5	80.0	78.5	909	961	998	956	79.76	91	82	..	2	7	5	Cb.	Pe, c.	Pe, c.
12	862	744	807	804	85.5	87.5	82.5	83.4	91.0	78.0	13.0	153.0	62.0	73.5	4.5	NW.	S.	S.	51	80.0	81.0	78.5	78.6	951	971	922	948	78.74	83	78	..	4	8	0	Cs, c.	Pk, c.	b.
13	839	776	819	811	85.5	87.0	80.5	83.4	91.0	76.5	14.5	154.5	63.5	73.5	3.0	NW.	S.	S.	45	80.0	79.5	78.0	78.0	951	907	927	928	78.70	89	79	.05	3	4	2	Pk, c.	Cs, e.	Cb.
14	873	732	807	804	84.0	88.5	81.0	82.8	90.5	75.0	14.5	152.0	61.5	73.0	2.0	N.	SE.	S.	80	79.5	80.5	78.0	77.7	948	934	920	934	81.69	87	79	..	3	6	2	Cs, e.	Cb.	Cb.
15	904	792	839	845	84.5	88.0	81.0	82.2	89.0	75.5	13.5	151.5	62.5	74.0	1.5	NW.	NNW.	W.	115	78.5	80.0	78.0	77.5	895	917	920	911	75.69	87	77	..	2	2	2	Cb.	Cb.	Cb.
16	906	794	850	850	83.0	87.5	79.0	80.1	89.5	71.0	18.5	156.0	66.5	69.5	1.5	NW.	NNW.	SW.	155	78.0	78.0	76.0	75.0	893	832	858	861	79.64	87	76	..	4	4	0	Kb.	Pc, c.	b.
17	889	795	840	841	81.5	91.0	80.5	81.9	91.5	74.5	17.0	148.5	67.0	72.5	2.0	NW.	SE.	S.	140	73.5	78.0	78.0	74.7	719	784	927	810	67.53	89	69	..	0	0	0	b.	b.	b.
18	854	729	780	788	83.5	89.0	80.5	82.4	90.5	76.5	14.0	159.0	68.5	72.0	4.5	NW.	SE.	S.	85	75.5	79.5	79.0	77.0	776	830	972	876	67.64	93	74	.17	2	8	10	Cb.	Pk, o.	Pk, o.
19	836	706	800	781	83.5	86.5	79.0	81.0	88.0	75.0	13.0	155.5	67.5	69.5	5.5	N.	S.	S.	65	78.0	78.0	76.0	76.1	886	845	858	863	77.67	87	77	.07	8	8	6	Pc, c.	Pc, c.	Pc, c.
20	813	707	771	725	86.0	86.0	79.0	80.6	91.0	75.0	16.0	15																									

METEOROLOGICAL RESULTS OF THE CRIMINAL PRISON HOSPITAL OBSERVATORY, PENANG FOR THE MONTH OF APRIL, 1890.

5°24' N. Lat., 100°20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.				CLOUDS 0 to 10		CLOUD & WEATHER INITIALS.						
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	Mean.	°F.	°F.	°F.	Mean.	Sun.	Difference Sun and Shade.	Grass.	Direction.	Velo-city.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	%	%	%	%	RAIN.	Inches.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.			
1	Ins. 867	763	845	825	85.5	85.5	80.0	81.6	90.5	75.5	15.0	163.0	72.5	72.0	3.5	SE.	S.	100	79.0	79.0	78.0	77.2	.904	.904	.933	.880	74	74	91	82	...	4	4	6	Pe, c.	Pk, c.	
2	891	787	881	853	82.5	85.0	80.5	81.1	90.5	76.5	14.0	170.0	79.5	71.5	5.0	NNE.	N.	65	77.5	78.0	77.5	76.9	.877	.866	.904	.869	79	72	87	82	...	6	6	3	Pk, c.	C, b.	
3	890	773	869	844	88.5	87.0	81.0	83.4	90.0	78.0	12.0	155.0	65.0	75.5	2.5	NE.	S.	NNW.	45	80.5	80.0	78.0	78.6	.934	.931	.920	.914	69	72	87	79	...	5	5	8	Pe, c.	Pk, c.
4	886	783	854	841	86.0	88.0	81.0	82.9	90.0	76.5	13.5	157.5	67.5	75.0	1.5	SE.	NNW.	S.	65	80.0	77.0	77.0	77.2	.944	.780	.875	.862	76	59	83	78	...	3	5	5	Cs, e.	Pk, c.
5	920	796	874	863	84.0	89.0	79.5	91.5	91.5	73.5	18.0	152.0	60.5	69.5	4.0	S.	E.	S.	65	78.0	81.0	78.0	76.9	.879	.951	.940	.863	75	69	93	81	1.19	3	4	10	C, c.	Pk, o.
6	919	811	900	877	85.0	87.0	73.5	81.1	91.5	74.0	17.5	153.5	62.0	70.0	4.0	E.	E.	N.	65	77.0	76.5	76.0	75.4	.821	.772	.865	.804	68	60	89	77	...	2	4	2	C, b.	Cs, c.
7	939	820	910	889	82.5	88.0	78.0	80.5	90.5	73.5	17.0	157.0	66.5	70.0	3.5	E.	NW.	N.	60	77.0	78.0	76.5	76.0	.855	.825	.894	.839	77	62	93	82	.10	2	10	6	C, b.	Pk, o.
8	947	785	907	879	82.0	91.0	79.0	81.9	92.0	75.5	16.5	154.0	62.0	72.0	3.5	NE.	N.	S.	135	76.5	80.5	78.0	76.9	.840	.900	.947	.861	77	62	95	80	.45	5	5	10	Cs, e.	Pk, o.
9	923	797	900	873	85.0	87.0	78.0	81.2	90.0	75.0	15.0	156.0	66.0	72.0	3.0	N.	N.	S.	50	80.0	80.5	77.0	77.4	.958	.954	.916	.893	79	74	95	83	.08	4	6	10	Cs, e.	Pk, c.
10	910	780	872	854	82.0	89.0	78.0	81.1	90.5	75.5	15.0	149.0	58.5	72.0	3.5	N.	S.	E.	75	79.0	81.0	77.0	77.4	.952	.951	.916	.894	87	69	95	84	1.60	5	4	8	Pk, c.	C, e.
11	855	767	846	823	79.0	88.5	78.5	80.2	90.0	75.0	15.0	151.0	61.0	72.0	3.0	E.	NNE.	E.	50	77.0	80.0	77.0	76.7	.902	.934	.909	.882	91	68	93	85	.05	0	4	2	Pk, o.	C, b.
12	901	775	857	844	84.0	89.5	81.0	82.7	91.0	76.5	14.5	151.0	60.0	73.5	3.0	E.	ESE.	S.	45	81.0	81.7	79.0	78.6	.978	.988	.959	.921	76	74	89	80	.12	2	6	4	C, b.	Pk, c.
13	903	780	864	849	87.0	88.0	81.5	83.4	90.5	77.0	13.5	154.0	63.5	72.5	4.5	N.	NNE.	S.	40	79.0	80.5	78.0	77.9	.925	.920	.933	.901	79	66	91	83	.74	2	6	10	Cs, b.	Pk, o.
14	875	767	849	830	84.0	89.5	80.0	81.4	91.0	75.0	16.0	155.0	64.0	73.0	2.0	NNE.	NNE.	S.	60	79.0	80.0	77.0	77.2	.918	.944	.895	.886	77	76	89	83	2.05	5	6	10	Cs, c.	Pk, o.
15	865	747	854	833	84.5	86.0	79.5	81.2	88.5	75.0	13.5	150.5	62.0	73.0	2.0	S.	S.	S.	65	76.0	78.0	77.0	76.0	.845	.879	.882	.848	82	75	85	76	...	6	6	4	Pk, c.	Cs, c.
16	892	776	823	830	80.0	84.0	80.5	79.9	88.5	75.0	13.5	156.0	67.5	72.5	2.5	N.	SE.	S.	50	79.0	81.0	78.0	77.6	.884	.924	.927	.873	69	63	89	77	.18	3	5	10	Cs, c.	Pk, o.
17	831	705	820	785	87.0	91.0	80.5	83.5	92.0	75.5	16.5	152.5	60.5	72.0	3.5	E.	E.	S.	50	80.0	79.0	79.0	78.4	.944	.907	.952	.911	76	70	87	79	...	3	4	3	C, c.	Cs, c.
18	850	727	834	804	86.0	86.5	82.0	83.2	90.0	78.5	11.5	152.0	62.0	75.0	3.5	N.	S.	S.	75	80.0	79.0	79.0	78.4	.944	.907	.952	.911	76	70	87	79	...	3	6	2	C, c.	Pk, c.
19	880	740	856	825	86.5	87.0	81.5	82.9	92.0	76.5	15.5	154.0	62.0	71.5	5.0	SSE.	S.	NNW.	70	79.5	80.0	78.5	78.1	.914	.931	.936	.902	72	72	87	80	...	3	4	8	C, c.	Pk, c.
20	881	729	825	812	85.0	90.0	82.0	83.6	93.0	77.5	15.5	151.5	58.5	73.5	4.0	S.	E.	SE.	50	78.0	80.0	76.5	77.2	.866	.890	.840	.863	72	63	77	76	...	2	5	10	C, b.	Pk, c.
21	841	711	823	792	88.0	88.0	81.0	83.4	90.5	76.5	14.0	155.0	64.5	73.5	3.0	E.	N.	ESE.	55	80.5	80.5	78.0	78.4	.941	.941	.920	.908										

METEOROLOGICAL RESULTS OF THE CRIMINAL PRISON HOSPITAL OBSERVATORY, FOR THE MONTH OF MAY, 1890.
5°24' N. Lat., 100°20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.		WIND.			TEMPERATURE OF EVAPORATION.		COMPUTED VAPOUR TENSION.		RELATIVE HUMI-DITY.		CLOUD 0 to 10		CLOUD & WEATHER INITIALS.											
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	NE.	NNE.	NW.	NNE.	NW.	NNE.	NW.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.						
1	Ins.	Ins.	Ins.	Ins.	82.0	90.0	80.5	81.7	91.5	74.5	17.0	151.5	60.0	72.5	2.0	NE.	NE.	NNE.	100	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	%	%	%	... 6 2 0	Pk, c.	C, b.	b.
2	.857	.737	.800	.798	84.0	89.0	81.6	91.5	74.5	17.0	154.0	62.5	72.0	2.5	NNE.	NNE.	NW.	50	79.0	80.0	77.0	77.1	.925	.903	.875	79 60 87 80	1.35 3 4 10	C, c.	P, c.	Pk, o.			
3	.820	.730	.794	.781	79.0	84.0	79.0	78.9	86.5	73.5	13.0	126.0	39.5	72.0	1.5	NE.	NE.	NNE.	55	77.0	78.0	77.0	76.1	.962	.879	.902	86 91 76 91	0.04 10 10 6	Pk, o.	Pk, c.	Pk, o.		
4	.815	.720	.782	.772	81.0	87.0	79.5	84.0	89.5	74.0	15.5	149.5	60.0	72.5	1.5	NNE.	NNE.	NE.	50	77.5	79.0	77.0	76.7	.897	.884	.895	85 69 89 85	... 6 4 5	Pk, c.	Cs, c.	Cs, c.		
5	.823	.727	.801	.784	84.0	89.5	80.5	82.5	91.5	76.0	15.5	154.0	62.5	74.0	2.0	NE.	NE.	S.	55	78.0	79.0	77.5	77.4	.879	.850	.904	86 75 61 87	... 3 3 5	Cs, c.	Cs, c.	Cs, c.		
6	.830	.739	.810	.793	84.0	89.5	80.5	82.5	91.5	76.0	15.5	154.0	62.5	74.0	2.0	NE.	NE.	S.	52	79.0	81.0	78.5	78.4	.911	.944	.943	88 76 68 89	0.07 4 5 8	Cs, c.	Cs, c.	P, c.		
7	.858	.786	.821	.822	85.0	89.5	81.0	82.9	92.0	76.0	16.0	151.5	59.5	73.5	2.5	S.	Sby E.	Sby E.	60	79.5	81.0	79.0	78.5	.967	.924	.966	92 87 65 91	... 3 3 6	C, c.	C, c.	P, c.		
8	.864	.790	.816	.823	82.5	91.0	81.0	80.1	92.0	76.0	16.0	154.0	62.0	74.0	2.0	S by E.	S ½ E.	SSE.	25	80.0	81.0	79.0	78.7	.971	.931	.959	93 87 65 89	... 3 3 0	Cs, c.	Cs, c.	b.		
9	.851	.774	.828	.817	84.0	90.5	81.5	82.8	91.0	75.5	15.5	157.0	66.0	74.0	1.5	SSE.	SSE.	S ½ E.	40	80.0	81.5	80.0	79.5	.958	.988	.992	95 79 74 89	... 3 2 4	C, n.	C, c.	Cs, c.		
10	.870	.775	.834	.826	85.0	88.0	82.5	83.5	93.0	78.5	14.5	154.0	61.0	76.0	2.5	S by W.	S by E.	NE.	88	80.0	81.0	78.0	78.9	.971	.971	.906	93 83 73 83	... 6 6 6	C, b.	Cs, c.	P, c.		
11	.862	.764	.820	.815	84.0	87.5	82.0	82.6	90.5	77.0	13.5	150.5	60.0	76.0	1.0	NNE.	NE.	E.	35	80.0	80.5	78.0	78.7	.901	.920	.927	93 85 66 89	0.64 2 2 5	C, b.	C, b.	Pk, c.		
12	.874	.769	.857	.833	83.5	89.5	80.5	82.4	91.0	76.0	15.0	157.0	66.0	75.0	1.0	N.	NW.	NNE.	105	79.0	80.0	78.0	78.2	.925	.890	.920	94 79 65 87	... 3 4 8	Cs, c.	Cs, c.	P, c.		
13	.880	.777	.842	.833	84.0	90.0	81.0	81.9	91.5	75.5	16.0	154.0	62.5	74.5	1.0	NE.	NNE.	NW.	85	79.0	79.5	78.5	78.0	.932	.873	.929	89 81 63 85	0.06 3 6 6	Cs, c.	P, c.	Pk, c.		
14	.869	.770	.837	.825	83.5	89.5	82.0	82.7	92.0	76.0	16.0	152.5	60.5	74.5	1.5	NNW.	NW.	E ½ S.	50	79.0	79.0	78.0	77.1	.918	.911	.940	88 77 76 93	0.45 6 9 7	P, c.	Pk, o.	Pk, c.		
15	.900	.787	.850	.845	84.5	85.0	79.5	80.9	87.5	74.5	13.0	139.0	51.5	72.0	2.5	NNE.	S.	S.	55	78.0	79.0	78.0	77.0	.918	.911	.940	88 77 76 93	0.45 6 9 7	P, c.	Pk, o.	Pk, c.		
16	.933	.805	.900	.879	83.5	83.0	79.0	80.0	83.0	74.5	13.5	145.0	57.0	72.5	2.0	NE.	NW.	NNW.	60	78.0	77.5	77.0	76.0	.886	.871	.902	87 77 71 91	0.22 4 9 7	Cs, c.	Pk, o.	Pk, c.		
17	.840	.761	.836	.812	83.5	81.0	78.5	79.6	88.0	75.5	12.5	155.0	67.0	73.5	2.0	Nby W.	NNE.	N ½ E.	90	77.0	78.0	77.0	76.0	.886	.920	.909	87 77 87 93	0.47 5 10 10	P, c.	Pk, o.	Pk, o.		
18	.831	.752	.809	.794	81.0	84.5	78.5	79.5	87.0	74.5	12.5	150.0	63.0	71.5	3.0	E by N.	Nby W.	NNW.	20	77.0	79.0	77.0	76.6	.868	.898	.916	87 81 74 93	0.18 5 8 8	Cs, c.	Pk, c.	Pk, c.		
19	.836	.747	.831	.805	81.5	86.0	78.0	80.4	88.0	75.5	12.5	141.0	53.0	72.5	3.0	S by N.	NNE.	NW.	70	77.0	78.5	76.0	76.4	.895	.888	.872	86 91 74 91	... 10 4 6	Pk, o.	Pk, c.	Pk, c.		
20	.877	.777	.853	.836	79.5	85.0	78.0	79.5	86.5	75.5	11.0	140.0	53.5	74.0	1.5	S.	S ½ E.	NW.	25	78.5	78.5	75.0	76.1	.888	.861	.843	83 74 67 91	0.12 4 10 8	Cs, c.	N. d.	Pk, c.		
21	.851	.760	.841	.817	84.0	87.0	77.0	80.7	88.0	75.0	13.0	152.5	64.5	74.5	5.5	NNE.	NNE.	NE.	65	77.0	78.5	76.0	76.1	.848	.868	.872	85 75 68 91	0.12 3 12 3	C, b.	P, c.	C, b.		
22	.829	.755	.819	.802	83.0	86.5	78.0	80.9	88.0	76.0	12.0	149.5	61.5	73.0	3.0	N.	NW.	NW.	100	78.5	79.0	76.0	76.6	.875	.925	.872	86 79 91 82	0.04 3 12 2	C, b.	P, c.	C, b.		
23	.827	.772	.803	.796	85.0	84.0	75.0	80.5	89.0	75.0	14.0	156.5	67.5	71.5	3.5	NNE.	W.	N ½ E.	20	79.5	81.0	77.0	77.7	.907	.951	.889	89 76 87 79						

METEOROLOGICAL RESULTS OF THE CRIMINAL PRISON HOSPITAL OBSERVATORY, FOR THE MONTH OF JUNE, 1890.
5°24' N. Lat., 100°20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER — REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD & WEATHER INITIALS.												
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Sun.	Difference Sun and Shade.	Grass.	Direction.	Velocity.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Cloud 0 to 10.	Before 9 A.M.	After 3 P.M.					
1	Ins.	837	729	823	796	76·5	84·5	75·5	78·4	87·0	74·0	13·0	147·5	60·5	72·5	1·5	NNE.	NNE.	NW.	85	75·0	77·0	76·5	75·2	Ins.	849	.828	887	836	93	70	91	86	.04	6	6	6	P, c.
2	850	757	830	812	81·5	82·5	79·0	80·2	85·0	75·0	10·0	150·0	65·0	73·0	2·0	NbyW.	NW.	NW.	60	78·0	78·0	77·0	76·0	Ins.	872	.899	902	845	74	8	91	82	.12	4	10	6	P, c.	
3	854	745	854	818	76·0	81·0	77·5	77·1	84·0	74·0	10·0	135·5	51·5	72·0	2·0	SW.	SSE.	SE.	75	74·0	77·0	76·5	74·7	Ins.	814	.875	901	832	91	83	95	89	.63	10	8	8	Pk, o.	
4	819	734	774	776	82·0	86·5	80·0	80·9	89·0	75·0	14·0	148·0	59·0	71·0	4·0	E.	sbyE ₂ E	NW.	20	77·0	78·0	76·5	78·0	Ins.	862	.845	867	835	79	67	85	80	...	5	6	6	P, c.	
5	775	720	830	775	87·0	83·5	77·5	82·0	90·0	75·0	15·0	145·0	55·0	71·5	3·5	NE	NNNE.	NW.	20	80·5	80·5	76·0	77·5	Ins.	954	.934	879	888	74	69	93	81	.38	4	4	10	Cs, c.	
6	785	713	775	758	87·0	83·0	79·5	82·5	90·5	75·5	15·0	152·0	61·5	73·5	2·0	NE.	SbyE.	NW.	60	80·0	80·0	77·0	77·5	Ins.	931	.917	895	881	72	69	89	79	.70	3	5	3	Cs, c.	
7	818	723	782	774	80·0	86·0	79·0	80·0	87·0	75·0	12·0	137·0	50·0	72·5	2·5	S.	NNE.	NW.	110	78·0	78·0	76·5	76·0	Ins.	933	.852	880	848	91	68	89	83	.25	8	7	5	Pk, d.	
8	810	730	797	779	78·0	81·0	75·5	77·0	85·5	73·5	12·0	129·0	41·5	71·5	2·0	NW.	NW.	NW.	55	76·5	76·5	75·0	75·0	Ins.	894	.853	863	844	93	80	98	91	3·55	10	10	7	Pk, o.	
9	796	719	800	772	79·0	84·5	79·0	79·0	87·0	73·5	13·5	146·0	59·0	72·5	1·0	NW.	NW.	NW.	105	76·0	78·5	77·0	75·9	Ins.	858	.895	902	855	87	75	91	86	.11	6	4	4	P, c.	
10	845	724	802	777	85·0	85·0	79·0	81·2	86·0	76·0	10·0	140·0	54·0	73·5	2·5	E.n.4n	W.	SbyE.	60	79·0	79·0	77·0	77·1	Ins.	911	.911	902	904	76	76	91	83	.17	3	4	6	Cs, c.	
11	820	766	840	809	84·9	85·0	77·0	80·1	85·0	74·5	10·5	146·0	61·0	70·5	4·0	SbyE.	NNW.	NW.	25	78·0	78·0	75·0	75·6	Ins.	879	.866	843	830	75	72	91	81	.28	4	4	4	Cs, c.	
12	881	772	843	834	84·0	84·0	78·0	80·1	85·5	74·5	11·0	145·0	62·5	71·0	3·5	NW.	NE.	NW.	65	77·5	77·5	74·5	75·5	Ins.	856	.856	808	823	74	73	84	80	.14	6	5	5	P, c.	
13	904	826	858	832	77·0	77·0	74·5	75·6	81·5	74·0	07·5	103·5	36·5	72·0	2·0	SSE.	SSE.	SSW.	25	75·0	75·0	74·0	74·0	Ins.	843	.843	834	810	91	91	98	92	...	10	10	10	Pk, o.	
14	897	800	850	849	80·0	82·5	80·0	79·4	84·5	75·0	09·5	121·0	36·5	72·5	2·5	SbyW.	SbyE.	NW.	30	77·0	78·0	77·0	76·0	Ins.	889	.899	889	856	87	81	87	85	...	5	7	4	Cs, c.	
15	886	791	842	841	84·0	86·0	79·5	81·4	89·0	76·0	13·0	149·0	60·0	74·0	2·0	NE.	NNE.	NWbyN	60	78·0	78·5	77·0	76·5	Ins.	879	.875	893	850	75	70	89	79	...	4	3	0	Cs, c.	
16	811	749	804	788	85·0	85·5	83·0	81·1	83·0	74·0	14·0	151·5	63·5	72·0	2·0	N byE.	NbyW.	NW.	60	77·0	79·0	77·0	76·0	Ins.	821	.904	839	833	68	74	87	79	...	3	4	5	Cs, c.	
17	812	754	800	789	84·0	89·0	80·5	81·9	91·0	74·0	17·0	145·0	54·0	72·0	2·0	S.	SSE.	SbyE.	35	79·0	80·0	78·0	77·0	Ins.	925	.903	927	869	79	66	89	80	...	3	0	0	Cs, c.	
18	803	749	804	782	85·0	87·5	81·0	82·1	90·0	75·0	15·0	148·0	53·0	73·5	1·5	S ₂ E.	SSE.	SSE.	35	79·0	79·5	78·0	77·1	Ins.	911	.900	920	879	76	69	87	80	...	2	0	0	C, b.	
19	849	811	816	825	82·0	87·0	81·0	80·9	89·0	73·5	15·5	143·5	54·5	72·0	1·5	E.	SbyW.	25	78·0	75·5	78·0	76·3	Ins.	906	.861	920	855	83	67	87	82	...	4	4	0	Cs, c.		
20	869	814	854	845	85·0	89·0	78·5	81·9	90·0	75·0	15·0	146·5	56·5	74·0	1·0	E.	SSE.	NW.	15	79·0	80·0	75·5	77·2	Ins.	911	.903	843	866	76	66	86	80	...	2	4	3	C, b.	
21	876	820	854	850	86·0	88·0	81·0	82·2	92·0	74·5	15·5	147·5	57·5	72·5	2·0	NNE.	S.	NW.	65	79·5	80·0	75·5	77·6	Ins.	943	.887	77	64	84	79	81	...	2	5	3	Cs, c.		
22	8																																					

METEOROLOGICAL RESULTS OF THE CRIMINAL PRISON HOSPITAL OBSERVATORY, PENANG, FOR THE MONTH OF JULY, 1890.

5° 20' N. Lat., 100° 20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER — REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMI-DITY.			CLOUD & WEATHER INITIALS.														
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	Mean.	°F.	°F.	°F.	Mean.	Range.	Sun.	Difference Sun and Shade.	Grass.	Difference Sun and Radiation.	Direction.	Velocity.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	%	15 H.	21 H.	Cloud 0 to 10.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.				
1	29.861	29.776	29.824	29.820	84.0	87.5	79.5	81.9	90.5	76.5	14.0	151.0	60.5	71.5	5.0	NW.	NNE.	NW.	50	79.0	79.5	78.0	77.2	.925	.900	.940	.878	79	69	93	80	...	2	2	3	3	C, b.	Cs, c.	C, s, c.
2	.872	.780	.830	.827	84.5	86.0	79.0	81.2	91.0	75.5	15.5	156.0	65.0	71.0	4.5	NW.	NW.	NW.	70	79.0	80.0	77.0	76.9	.925	.944	.902	.872	79	76	91	81	...	2	2	0	4	C, b.	Cs, c.	b.
3	.878	.769	.841	.829	81.5	88.5	76.5	80.4	91.0	75.0	16.0	152.5	61.5	71.0	4.0	NE.	WNW.	NW.	105	78.5	80.0	75.0	76.1	.936	.910	.849	.850	87	68	93	82	...	2	3	6	6	C, c.	P,	c.
4	.890	.784	.858	.844	81.0	82.0	74.5	77.6	87.0	73.0	14.0	120.0	33.0	71.0	2.0	NW.	SSW.	ENE.	80	77.0	77.0	73.0	74.4	.875	.862	.793	.811	83	79	93	88	1.50	8	10	10	6	Pk, e.	Pk, o.	P, c.
5	.874	.762	.861	.832	82.0	84.0	76.5	78.5	89.0	71.5	17.5	145.0	56.0	69.5	2.0	NE.	SW.	SSE.	45	75.0	76.0	74.5	73.6	.775	.791	.829	.768	71	68	91	79	1.50	10	6	6	4	Pk, o.	P, c.	P, c.
6	.889	.780	.884	.851	76.5	82.5	79.0	78.0	86.5	74.0	12.5	124.0	37.5	70.1	4.0	NE.	S.	SSW.	25	77.0	77.0	78.0	74.4	.849	.811	.794	.753	75	59	80	74	...	10	8	8	4	P, o.	C, b.	b.
7	.860	.774	.871	.835	83.0	89.0	79.0	81.2	90.0	74.0	16.0	143.0	53.0	70.1	4.0	NW.	NNE.	NW.	70	76.0	77.0	75.0	74.4	.804	.867	.843	.740	71	65	91	77	...	3	6	6	0	P, c.	b.	b.
8	.924	.843	.870	.869	83.0	86.0	77.0	79.9	88.0	73.5	14.5	150.5	62.5	70.5	3.0	NW.	SW.	SSW.	30	77.0	77.5	75.5	75.5	.862	.845	.837	.831	79	67	84	80	...	2	2	2	0	C, b.	C, b.	b.
9	.927	.821	.862	.870	82.0	87.0	79.0	80.5	89.5	74.0	15.5	151.0	61.5	71.5	2.5	NW.	S.	SSW.	95	77.5	77.5	75.5	75.5	.862	.975	.809	.841	72	79	80	80	...	2	0	0	0	C, b.	b.	b.
10	.901	.816	.871	.862	84.5	86.5	79.5	80.9	88.5	73.0	15.5	145.0	56.5	70.0	3.0	NW.	S.	SSW.	35	77.5	78.0	75.0	75.4	.850	.975	.809	.841	72	73	91	82	3.2	4	8	4	4	Cs, c.	Pk, d.	P, c.
11	.882	.773	.866	.840	81.5	85.5	78.5	79.9	85.0	74.0	14.0	152.0	64.0	72.5	1.5	SE.	SE.	NW.	75	76.5	80.5	76.5	76.2	.846	.826	.887	.824	78	73	91	82	...	4	4	4	4	Pk, c.	P, c.	P, c.
12	.865	.775	.824	.821	79.0	83.0	77.5	80.2	88.0	73.5	14.5	145.0	57.0	71.5	2.0	NW.	NNE.	NE.	35	75.5	76.5	75.0	74.4	.837	.834	.839	.804	84	72	89	80	3.0	8	6	6	3	Pk, c.	P, c.	P, c.
13	.862	.764	.839	.821	80.0	84.0	76.5	78.2	87.0	72.5	14.5	147.0	60.0	71.0	1.5	NNE.	NNW.	120	76.5	77.0	75.0	74.6	.867	.807	.849	.806	85	65	93	77	.08	8	6	4	4	Pk, c.	P, c.	P, c.	
14	.857	.759	.842	.819	82.0	86.0	77.5	79.5	86.5	72.5	14.0	140.0	53.5	71.0	1.5	NW.	NW.	135	76.5	77.0	76.0	72.2	.840	.828	.879	.807	77	70	93	81	.03	6	4	4	4	Pk, d.	P, c.	P, c.	
15	.850	.748	.837	.812	79.0	84.5	77.0	78.4	86.0	73.0	13.0	129.0	43.0	70.5	2.5	NE.	NNE.	SE.	75	76.0	77.0	75.5	74.6	.858	.843	.864	.824	87	70	93	85	.48	10	6	6	6	Pk, d.	Pk, c.	Pk, d.
16	.830	.720	.817	.789	82.5	85.0	77.0	79.4	86.5	73.0	13.5	140.5	54.0	71.0	2.0	E.	NE.	NW.	60	77.5	77.5	76.0	75.4	.877	.764	.886	.816	79	61	98	81	.85	6	16	6	4	Cs, c.	Pk, d.	Pk, c.
17	.783	.717	.764	.755	82.5	86.0	80.0	81.5	87.5	76.0	11.5	144.0	56.5	72.5	3.5	SE.	SSE.	SE.	40	76.5	76.0	76.0	75.4	.833	.852	.845	.823	75	68	82	77	...	4	6	6	6	Cs, c.	P, c.	Cs, c.
18	.791	.727	.829	.785	83.0	86.0	78.0	80.8	87.0	75.5	11.5	146.0	59.0	72.5	3.0	NW.	NW.	45	77.5	78.0	76.0	75.5	.871	.866	.872	.839	77	72	91	81	...	3	6	6	6	P, c.	Cs, c.	Cs, c.	
19	.848	.730	.830	.803	82.0	85.0	78.0	79.9	86.5	74.5	12.0	133.5	47.0	72.0	2.5	S.	S.	SE.	35	77.0	78.0	76.0	75.9	.862	.857	.829	.812	79	73	86	80	...	6	6	6	6	P, c.	P, c.	P, c.
20	.853	.737	.832	.807	82.0	84.0	79.0	80.0	89.0	75.0	14.0	138.0	49.0	71.5	3.5	NE.	NNW.	NE.	35	76.5	77.5	76.5	75.7	.840	.830	.880	.829	77	66	89	83	...	6	6	6	6	Pk, c.	P, e.	

METEOROLOGICAL RESULTS OF THE PENANG, OBSERVATORY, FOR THE MONTH OF AUGUST, 1890.
 5° 24' N. Lat., 100° 20' E. Long. Height of Bar Cistern above Sea Level, 20 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.								TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.		CLOUD 0 TO 10		CLOUD & WEATHER INITIALS.				
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Total Miles.	Ins.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.	
1	29.872	29.781	29.861	29.836	79.0	81.0	77.0	77.1	84.5	71.5	13.0	121.0	36.5	69.5	2.0	E.	75.0	76.5	77.0	76.0	74.9	.880	.875	.858	.843	59	83	87	91	...	6	10	8
2	.859	.774	.850	.828	82.0	83.5	77.0	78.5	86.0	71.5	14.5	139.5	53.5	69.5	2.0	NE.	45.0	76.5	77.0	76.5	75.0	.840	.841	.887	.822	77	73	91	84	.77	6	6	8
3	.834	.804	.843	.829	83.5	80.0	76.5	78.4	86.0	73.5	12.5	149.0	63.0	70.0	3.5	E.	40.0	76.5	76.0	74.0	74.2	.804	.845	.807	.787	71	82	88	82	...	4	8	6
4	.855	.775	.853	.828	81.0	85.0	78.5	79.6	86.0	74.0	12.0	144.0	58.0	72.0	2.0	SE.	35.0	75.5	77.5	75.5	75.0	.810	.828	.837	.809	76	70	84	80	.28	8	6	6
5	.850	.780	.860	.830	81.0	83.5	77.5	78.6	86.5	72.5	13.0	139.0	53.5	69.0	3.5	NE.	35.0	74.5	76.5	74.5	73.9	.768	.776	.816	.768	72	67	86	80	...	6	4	6
6	.864	.791	.854	.836	82.5	85.0	78.0	79.6	87.5	73.0	14.5	147.0	59.5	70.5	2.5	EN.	45.0	76.0	77.0	76.0	76.0	.811	.821	.872	.809	72	65	91	80	...	3	4	2
7	.878	.784	.863	.842	82.0	86.5	77.5	79.6	88.0	72.5	15.5	156.0	68.0	70.0	2.5	SE.	125.0	75.5	77.0	76.5	74.6	.797	.801	.858	.774	73	63	91	78	...	0	0	2
8	.870	.789	.859	.839	83.0	87.5	77.5	80.1	88.0	72.5	15.5	154.0	66.0	70.0	2.5	SE.	65.0	76.0	78.0	75.5	75.1	.804	.832	.858	.802	71	64	91	78	...	2	6	7
9	.808	.838	.810	.818	83.0	88.0	79.0	83.3	89.0	75.5	14.5	143.0	67.5	71.0	4.5	SE.	45.0	76.0	80.0	77.0	77.6	.804	.917	.902	.871	71	69	91	77	...	4	6	8
10	.855	.810	.820	.823	85.5	89.0	80.0	84.8	90.5	74.0	16.5	149.0	58.5	71.0	3.0	NW.	65.0	79.0	80.0	78.0	79.0	.904	.903	.933	.918	76	66	91	77	.15	5	8	10
11	.859	.800	.750	.803	82.5	79.0	78.0	79.8	87.5	74.5	13.0	152.0	68.5	74.0	0.5	N.	115.0	76.5	76.5	76.0	76.3	.833	.872	.872	.880	75	89	91	91	.25	3	7	10
12	.873	.810	.840	.841	79.0	83.0	78.0	80.0	84.5	74.0	10.5	157.0	72.5	71.0	3.0	NE.	70.0	75.5	79.0	76.0	76.5	.824	.938	.938	.874	80	83	91	87	.05	5	8	10
13	.809	.800	.804	.804	84.0	85.0	79.5	82.8	86.0	74.5	11.5	148.0	62.0	72.5	2.0	NE.	65.0	77.5	79.0	77.0	77.8	.841	.911	.895	.877	73	76	89	79	1.04	10	8	10
14	.795	.732	.760	.762	82.5	84.5	78.0	81.6	86.0	73.5	12.5	146.0	60.0	72.0	1.5	NE.	70.0	77.5	77.5	76.0	77.0	.870	.834	.872	.868	79	72	91	81.0	1.10	10	8	19
15	.870	.819	.788	.825	78.5	85.0	78.5	80.6	87.0	73.5	13.5	145.0	58.0	72.5	1.0	E.	30.0	75.0	79.0	75.0	76.3	.794	.911	.822	.845	84	76	84	82	.25	10	4	4
16	.937	.886	.847	.890	77.0	83.0	77.5	79.3	85.5	73.5	12.0	138.0	52.5	72.5	1.0	E.	45.0	76.0	78.0	76.0	76.6	.838	.886	.879	.865	80	77	93	89	...	10	7	3
17	.913	.801	.813	.842	83.0	83.0	77.5	81.1	84.5	73.5	11.0	140.0	55.5	73.0	0.5	SE.	30.0	76.0	77.0	76.0	73.3	.901	.971	.879	.712	77	77	93	68	.09	8	7	10
18	.901	.803	.830	.844	80.5	84.0	78.0	80.8	85.5	74.5	11.0	130.0	64.5	72.0	2.5	NE.	45.0	78.5	77.5	76.0	73.3	.838	.834	.872	.833	80	82	91	80	.07	3	8	10
19	.881	.805	.800	.825	79.0	82.5	79.0	80.0	87.5	73.5	14.0	157.0	69.5	73.0	0.5	NE.	45.0	78.0	76.5	76.0	76.8	.947	.833	.858	.858	95	75	87	87	.04	6	6	9
20	.923	.833	.913	.896	81.0	84.5	78.0	81.3	86.5	74.5	12.0	148.0	61.5	71.5	3.0	SE.	75.0	76.0	77.5	76.0	76.2	.831	.834	.872	.831	78	72	91	78	...	8	7	6
21	.905	.858	.891	.884	78.0	82.5	78.5	79.6	85.0	73.5	11.5	132.0	47.0	71.0	2.5	N.	45.0	72.5	76.0	76.0	74.8	.714	.811	.865	.795	72	73	89	80	...	7	9	8
22	.902	.821	.889	.870	83.0	83.5	78.0	81.5	86.5	73.5	13.0	152.0	65.5	72.5	1.0	N.	60.0	77.5	77.0	75.0	75.8	.870	.841	.829	.795	77	73	86	76	1.50	6	7	7
23	.888	.833	.858	.859	80.5	82.0	79.5	80.6	87.0	73.5	13.5	155.0	68.0	72.0	1.5	EN.	40.0	76.5	78.0	78.0	76.6	.838	.906	.940	.860	80	83	95	82	...	6	7	7
24	.845	.777	.886	.836	82.5	78.0	77.0	79.1	84.0	72.0	12.0	112.0	28.0	71.0	1.0	E.	25.0	75.0	77.0	75.0	76.1	.916	.843	.833	.858	95	91	75	87	1.30	3	10	10
25	.851	.756	.819	.808	81.5	83.5	79.0	81.3	86.0	74.5	12.5	145.0	69.0	73.5	1.0	SE.	80.0	75.5	76.5	76.5	76.0	.782	.819	.880	.827	73	79	89	86	1.60	8	7	10
26	.865	.769	.860	.831	82.5	86.5	79.0	82.6	87.5	76.5	11.0	145.0	57.5	74.5	2.0	S.	75.0	76.0	76.5	77.0	76.3	.790	.781	.902	.824	71	61	91	74	.04	2	6	7
27	.856	.761	.865	.827	83.5	87.0	79.5	83.3	89.0	76.0	13.0	148.0	59.0	74.5	1.5	S.	75.0	76.0	79.0	75.5	76.8	.804	.884	.831	.839	71	69	82	74	...	4	6	4
28	.874	.761	.836	.823	82.5	83.5	80.0	82.0	89.0	74.5	14.5	149.0	60.0	72.0	2.0	S.	75.0	78.0	78.0	76.5	77.5	.765	.775	.843	.791	62	71	91	75	.12	2	5	7
29	.899	.809	.865	.857	83.5	82.0	79.0	81.5	85.5	73.0	12.5	146.0	60.5	72.5	0.5	NE.	35.0	75.0	75.0	75.0	75.0	.755	.775	.832	.816	66	69	85	73	...	10	8	8
30	.893	.766	.869	.836	85.0	84.0	79.5	82.8	88.0	75.0	13.0	151.0	63.0	74.0	1.0	S.	50.0	76.5	76.5	75.0	76.3	.799	.798	.832	.816	66	69	85	73	...	10	8	8
31	.830	.818	.887	.845	78.0	79.5	78.0	78.5	81.5	73.0	8.5	112.0	30.5	72.0	1.0	NE.	110.0	76.0	77.0	75.0	76.0	.872	.795	.834	.833	91	77	89	85	.18	5	6	7

Highest Atmospheric Pressure 29.937 Inches.
Lowest Atmospheric Pressure 28.522

Lowest Atmospheric Pressure 29.732,
22.25 Feb.

In the shade, { Highest Temperature 90°5 Fah.
 { Lowest Temperature 71°5 "
 { Greatest Fall of Rain in 24 hours 1.60 Inches

Greatest Fall of Rain in 24 hours 1.60 Inches

*The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

F. K. HAMPSHIRE, M.B.,
Colonial Surgeon.

METEOROLOGICAL RESULTS OF THE PENANG PRISON HOSPITAL OBSERVATORY, FOR THE MONTH OF SEPTEMBER, 1890.
5° 24' N. Lat., 100° 20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMI-DITY.				CLOUD 0 to 10		CLOUD & WEATHER INITIALS.							
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	Sun.	Difference Sun and Shade.	Grass.	9 H.	15 H.	21 H.	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	%	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Cloud.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.	
1	29.894	29.789	29.981	29.888	83.0	86.5	79.5	83.0	88.5	75.5	13.0	148.0	59.5	74.5	1.0	S.	E ¹ N.	NW.	40	77.0	77.5	76.5	77.0	.848	.822	.873	.847	75	65	87	75	...	2	7	10	K, b.	Pk, c.	O, r.
2	.908	.821	.877	.868	80.5	81.5	79.0	80.3	86.0	74.5	11.5	147.0	61.0	73.0	1.5	NE.	S.	S ¹ E.	120	76.0	76.5	76.5	76.3	.811	.846	.880	.845	73	78	89	80	...	4	4	8	Ck, b.	Pc, c.	Pk, c.
3	.873	.798	.836	.835	82.0	84.0	82.0	82.6	87.5	75.0	12.5	155.0	67.5	74.0	1.0	SE.	S.	S ¹ E.	50	76.0	76.0	79.5	77.1	.818	.791	.974	.861	75	68	89	77	.07	5	4	10	Cs, b.	Cs, b.	O, d.
4	.846	.743	.783	.790	80.5	85.0	82.0	82.5	87.5	74.0	13.5	150.0	62.5	71.5	2.0	SE.	S.	S ¹ E.	65	77.0	78.0	78.5	77.8	.822	.866	.923	.892	85	72	85	80	...	8	5	8	Pc, c.	Ck, b.	Pc, c.
5	.808	.707	.798	.771	85.0	86.0	82.0	84.3	89.5	75.5	14.0	151.0	61.5	71.5	4.0	E ¹ S.	S.	SW.	90	79.5	79.0	77.0	78.5	.933	.898	.862	.897	77	72	79	76	...	6	4	3	Ck, b.	Cs, b.	C, b.
6	.795	.716	.785	.765	81.0	84.0	81.0	82.0	86.0	75.0	11.0	150.0	64.0	72.5	2.5	NW.	N ¹ W.	NW.	90	77.5	77.0	77.5	77.3	.897	.834	.897	.876	85	72	85	80	0.12	8	7	3	Pc, c.	C, b.	Cs, b.
7	.827	.799	.826	.817	83.0	86.0	81.0	83.0	89.5	75.0	14.5	152.0	62.5	73.5	1.5	SE.	NW.	N.	90	78.0	77.0	77.5	77.5	.893	.836	.897	.875	79	66	85	76	...	4	5	4	Cs, b.	Ck, c.	Cs, b.
8	.802	.801	.900	.834	80.5	85.0	79.5	81.6	88.0	73.0	15.0	145.0	57.0	68.5	4.5	NE.	NW.	NW.	90	76.5	79.0	76.5	77.3	.860	.863	.873	.882	82	76	87	81	...	8	6	6	Ck, c.	Pk, c.	Pk, c.
9	.817	.705	.764	.795	83.5	86.5	80.0	83.6	89.5	72.5	17.0	149.0	59.5	70.0	2.5	NW.	NW.	NW.	75	77.5	79.0	75.5	77.3	.863	.891	.824	.859	75	70	80	78	...	3	7	2	C, b.	Ck, c.	C, b.
10	.833	.739	.820	.797	84.0	85.0	79.0	82.0	89.0	73.5	15.5	148.0	59.0	71.0	2.5	N ¹ E.	NW.	NW.	90	77.0	79.5	74.5	77.0	.834	.933	.800	.942	75	83	89	82	.05	6	10	4	Ck, c.	O, d.	Pk, o.
11	.831	.844	.833	.836	84.0	83.0	81.0	82.0	88.5	75.5	13.0	150.0	61.5	70.0	5.5	E ¹ N.	SE.	S ¹ E.	80	78.0	79.0	78.5	78.5	.879	.838	.942	.886	75	79	87	81	...	6	8	10	Ck, c.	Pk, c.	Pc, c.
12	.858	.851	.880	.863	83.5	83.0	81.0	82.5	88.5	75.5	13.0	154.0	65.5	73.0	2.5	S.	S.	S.	85	78.0	78.0	78.0	78.0	.886	.893	.923	.900	77	79	87	81	...	7	8	10	Cs, b.	Pk, b.	Pk, c.
13	.882	.807	.880	.856	83.0	85.0	79.0	82.3	88.5	72.0	16.5	165.0	66.5	70.5	1.5	E.	SW.	S.	90	78.5	75.0	76.0	76.5	.914	.756	.858	.842	81	62	87	76	0.10	7	8	9	O, r.	Pk, c.	Pk, c.
14	.920	.890	.910	.906	76.5	81.0	78.0	78.5	88.5	73.5	15.0	122.0	33.5	71.0	2.5	S ¹ W.	NE.	NE.	95	75.0	76.5	76.0	75.5	.849	.853	.872	.858	93	80	91	88	0.15	7	8	10	Pc, c.	O, d.	O, r.
15	.863	.793	.885	.847	78.5	81.0	78.0	79.1	86.0	72.5	13.5	146.0	60.0	70.0	2.5	E ¹ N.	E ¹ N.	NE.	60	74.0	76.0	74.5	74.8	.780	.830	.809	.806	80	78	84	80	7	8	8	Pc, c.	Pk, c.	Pc, c.	
16	.871	.786	.949	.868	79.5	79.0	78.0	78.8	84.5	73.0	11.5	140.0	5.5	71.0	2.0	NE.	S ¹ E.	S ¹ E.	95	74.5	77.0	75.5	75.6	.789	.902	.854	.848	78	91	89	86	...	3	6	7	K, b.	Ck, b.	Pk, c.
17	.889	.883	.874	.848	81.0	83.0	80.0	82.3	88.5	75.0	13.5	153.0	64.5	71.0	4.0	NE.	NW.	NW.	80	77.0	78.0	76.5	77.5	.834	.893	.867	.864	72	79	85	78	0.52	3	6	7	Pk, c.	Pk, c.	Pk, c.
18	.900	.823	.875	.866	81.0	83.0	79.0	81.0	83.5	74.5	12.1	144.0	57.5	72.0	2.5	N ¹ W.	N.	NW.	100	75.5	75.5	77.0	76.0	.810	.790	.902	.834	76	69	91	78	0.0	7	7	6	Pc, c.	Pk, r.	Pk, r.
19	.873	.770	.812	.818	84.0	83.0	80.0	82.0	85.6	74.0	11.5	130.0	44.5	71.0	3.0	NE.	N ¹ W.	NW.	75	78.0	79.0	77.5	77.3	.879	.938	.910	.909	76	87	89	82	0.40	6	7	10	Pc, c.	Pc, c.	Pk, r.
20	.815	.716	.853	.794	79.0	79.0	78.0	78.6	85.0	76.5	8.5	136.0	51.0	70.0	6.0	NE.	NNE.	NE.	155	75.5	75.5	75.0	78.6	.8														

METEOROLOGICAL RESULTS OF THE PENANG OBSERVATORY, FOR THE MONTH OF OCTOBER, 1890.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.						TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD & WEATHER INITIALS.												
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.	Range.	Sun.	Difference Sun and Shade.	Grass.	Difference Shade and Radiation.	9 H.	15 H.	21 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.				
1	29.920	29.970	29.821	29.843	86.0	78.0	76.0	80.0	86.0	71.0	15.0	155.0	69.0	70.0	1.0	NW.	N ₁ E.	NW.	110	80.0	76.0	74.0	76.5	944	872	814	876	76	91	91	86	.15	4	8	6	Ck, b.	Pc, c.	Ck, b.
2	890	779	836	835	86.5	84.0	80.0	83.5	89.0	75.0	14.0	160.0	71.0	71.0	4.0	S ₁ W.	NW.	NW.	175	78.5	77.0	76.5	77.0	867	834	867	856	68	72	85	75	.05	2	4	4	Pc, c.	Pk, c.	
3	823	750	813	795	83.0	86.0	79.0	82.5	88.5	75.0	13.5	142.0	53.5	71.0	4.0	NW.	N ₁ W.	NW.	120	79.0	79.0	76.0	78.0	938	898	858	898	83	72	87	80	.10	4	7	8	Cs, b.	Pc, c.	
4	849	819	828	832	83.0	81.0	78.0	80.5	85.5	76.0	9.5	145.0	59.5	71.5	4.5	NW.	NW.	NW.	120	79.5	79.5	76.0	78.0	960	987	872	938	85	93	91	89	...	3	7	7	Pc, c.	Pk, c.	
5	827	800	815	847	83.0	85.0	82.0	83.0	86.0	75.5	10.5	148.0	62.0	70.0	5.5	NE.	SE.	NW.	135	79.5	79.0	79.5	79.0	960	911	874	915	85	76	89	83	1.05	5	6	10	Pc, c.	Cs, b.	
6	821	780	800	800	84.0	82.0	78.0	81.0	86.5	74.0	12.5	135.0	48.5	70.0	4.0	NNW.	NW.	NW.	105	79.0	78.0	76.0	77.0	925	906	872	901	79	83	91	84	2.35	7	8	7	Cs, b.	Ck, c.	
7	898	866	829	864	76.5	79.0	78.0	77.5	81.0	74.5	6.5	106.0	25.0	71.0	3.5	S ₁ W.	N ₁ E.	NE.	165	75.5	77.0	76.0	76.0	871	902	872	881	95	91	91	92	1.05	10	10	10	O, r.	O, r.	
8	814	713	837	788	80.5	78.0	77.0	78.5	83.0	73.5	9.5	125.0	42.0	71.0	2.5	NW.	NNW.	SE.	95	78.0	76.0	75.5	76.5	927	872	864	887	89	91	93	91	.95	10	10	10	O, r.	O, r.	
9	842	753	839	811	80.0	83.0	81.0	81.0	86.5	73.5	13.0	155.0	68.5	72.0	1.5	NE.	N ₁ E.	NW.	95	76.5	78.5	77.5	77.5	867	914	897	892	85	81	85	83	...	8	7	8	Pc, c.	Ck, c.	
10	821	800	847	822	83.0	85.0	81.0	83.0	88.5	77.5	11.0	152.0	63.5	70.0	7.5	N ₁ W.	N.	NW.	145	79.0	78.0	79.5	78.5	938	866	987	930	83	72	93	82	...	6	7	4	Ck, c.	Ck, c.	
11	899	797	820	838	82.5	83.0	80.0	81.5	87.5	75.5	12.0	156.0	68.5	70.0	5.5	N ₁ E.	NNW.	NW.	110	78.5	79.5	78.0	78.5	921	960	933	938	83	88	91	87	...	8	7	6	Pc, c.	Pc, c.	
12	890	871	933	898	83.0	77.0	76.0	78.0	83.0	71.5	11.5	136.0	53.0	69.0	2.5	N ₁ E.	NNW.	E.	115	78.0	75.0	74.0	75.5	893	843	814	850	79	91	91	87	3.70	4	10	8	Cs, b.	O, r.	
13	909	806	873	862	78.0	79.0	78.0	78.0	84.5	73.5	11.0	152.0	67.5	69.0	4.5	NNE.	NW.	N ₁ W.	65	75.5	76.0	77.0	76.0	854	858	916	876	89	87	95	90	4.99	7	10	10	O, r.	O, r.	
14	897	760	839	805	76.5	78.0	77.5	81.5	81.5	73.5	8.0	123.0	41.5	70.0	3.5	NW.	NW.	NW.	95	75.5	76.0	75.5	75.5	871	858	834	854	95	87	89	92	.96	10	10	10	O, r.	O, r.	
15	907	854	904	888	78.0	78.0	77.0	77.5	81.0	73.5	7.5	109.0	28.0	68.0	5.5	NE.	NW.	NW.	110	75.0	75.5	75.5	75.0	829	854	864	849	86	89	93	89	2.35	8	9	10	Pc, c.	O, r.	
16	907	817	923	882	79.5	81.0	78.0	79.5	86.0	74.5	11.5	145.0	59.0	69.0	5.5	NW.	NW.	NW.	90	77.0	77.0	76.0	76.5	895	904	872	890	89	87	95	90	.35	7	6	7	Pc, c.	Ck, c.	
17	941	921	912	924	79.0	82.0	79.0	80.0	85.5	74.5	11.0	144.0	58.5	70.0	4.5	N ₁ W.	N ₁ W.	N ₁ W.	80	77.5	79.0	77.0	77.5	897	952	902	917	85	87	91	87	.05	7	7	8	Pc, c.	Pk, c.	
18	887	789	937	871	81.5	82.0	79.0	80.5	85.5	72.5	13.0	153.0	67.5	69.0	3.5	N.	N ₁ W.	NW.	45	79.0	78.0	75.0	77.0	959	906	816	873	80	83	82	81	3.10	7	10	10	O, r.	Pc, c.	
19	925	845	819	863	74.5	78.0	78.0	76.5	81.5	73.5	8.0	138.0	56.5	70.0	3.5	SW.	SEBS.	N ₁ W.	150	74.0	75.5	75.5	75.0	834	854	854	847	98	89	89	92	.10	8	7	10	Pk, c.	Pc, c.	
20	936	836	880	884	79.0	80.0	78.0	79.0	84.5	73.5	11.0	152.0	67.5	68.0	5.5	N ₁ E.	NbW.	NW.	170	77.0	77.5	76.0	76.5	902	910	872	894	91	89	91	90	.25	7	8	8	Pk, c.	P, c.	
21	917	840	842	866	77.0	80.5	78.0	78.5	84.0	72.5	11.5	147.0	63.0	69.0	3.5	EbS.	EbN.	N.	100	75.0	76.0	75.5	75.5	845	845	854	848	91	82	89	87	.15	10	8	7	Pk, c.	Pc, c.	
22	927	780	897	868	80.0	82.0	78.0	80.0	83.0	71.5	11.5	143.0	60.0	68.0	3.5	NW.	NW.	NW.	80	76.5	78.0	75.5	76.5	873	902	854	876	87	91	89	89	3.25	7	8	7	O, r.	P, c.	
23	839	805	895	846	78.5	81.0	78.0	79.0	85.5	74.5	11.0	148.0	62.5	70.5	4.0	S ₁ W.	NNE.	NW.	145	74.0	76.0	76.5	75.5	780	831	894	835	80	78	93	83	.25	7	8	6	P, c.	P, k.	
24	901	812	816	843	81.0	83.5	79.0	81.0	85.0	73.5	11.5	150.0	65.0	70.0	3.5	N.	NW.	NW.	115	77.0	78.0	77.0	77.0	875	836	902	871	83	77	90	83	..	8	9	8	P, c.	P, k.	
25	911	831	910	884	83.5	83.0	80.0	82.0	88.0	74.5	13.5	152.0	54.0	70.0	4.5	N ₁ E.	S ₁ W.	S ₁ E.	130	77.0	77.5	78.0	77.5	841	877	674	797	73	79	70	74	..	8	9	8	C, k.	P, c.	
26	840	790	863	831	83.0	83.0	81.0	82.0	86.0	74.0	12.0	145.0	59.0	71.0	3.0	N ₁ W.	NNW.	NW.	50	78.0	77.0	76.5	77.0	893	848	860	867	79	75	82	78	..	7	6	8	P, c.	C, k.	
27	834	765	836	811	80.0	85.0	79.0	81.0	87.5	75.5	12.0	142.0	54.5	70.0	5.5	NW.	N.	N.	100	75.0	78.0	77.0	73.0	802	866	902	856	76	72	87	79	.25	10	4	10	O, d.	Cs, b.	
28	941	806	912	853	82.0	84.0	80.0	82.0	87.5	74.5	13.0	150.0	62.5	70.0</																								

Highest Atmospheric Pressure 29.970 Inches

Lowest Atmospheric Pressure 29.713

In the shade { Highest Temperature

Lowest Atmospheric Pressure 29.713
 Highest Temperature 89.8 E

Highest Temperature 89° F
Lowest Temperature 21°

(Lowest Temperature 71° " Greatest Fall of Rain in 24 hours 4.99 Inches

*The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

F. K. HAMPSHIRE,
Colonial Surgeon.

METEOROLOGICAL RESULTS OF THE PENANG HOSPITAL OBSERVATORY, FOR THE MONTH OF NOVEMBER, 1890.
5° 24' N. Lat., 100° 20' E. Long.

Height of Bar Cistern above Sea Level, 20 ft.

DATE.	BAROMETER—REDUCED TO 32°			TEMPERATURE OF AIR.						TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMI-DITY.			CLOUD 0 to 10.		CLOUD & WEATHER INITIALS.								
	9 H.	15 H.	21 H.	Mean.	Ins.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	S ₁ W.	NNW.	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	Ins.	%	%	%	%	Inches.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.					
1	29.893	29.780	29.840	29.837	83.5	84.0	78.0	81.5	88.5	73.0	15.5	154.0	65.5	69.0	4.0	N.W.	SSW.	85	77.0	78.0	76.0	77.0	.855	.879	.872	.868	77	75	91	81	.20	8	9 10	Pk, c.	O, r.
2	.900	.850	.880	.876	79.0	82.0	79.0	76.5	85.0	72.0	13.0	154.0	69.0	68.0	4.0	N.W.	N.W.	105	76.0	78.0	77.0	77.0	.858	.906	.902	.888	87	83	91	87	.40	7	9 10	Pk, c.	Pc, o.
3	.900	.852	.915	.872	83.0	84.0	79.0	82.0	88.5	74.5	14.0	148.0	59.5	70.0	4.5	N ₂ E.	NNE.	75	77.0	78.0	76.5	77.0	.848	.879	.880	.869	75	75	89	79	..	5	4 9	Pk, c.	Pc, o.
4	.927	.857	.874	.886	82.0	82.0	80.0	80.0	88.0	72.5	15.5	154.0	66.0	68.0	4.5	N.	N.	105	77.0	78.0	77.5	77.5	.862	.906	.910	.892	79	83	89	83	.35	7	4 7	Cs, b.	Ck, b.
5	.937	.793	.861	.837	81.5	85.0	79.0	81.5	89.0	72.5	16.5	150.0	61.0	69.0	3.5	N.W.	N.	80	75.0	78.0	76.0	76.0	.782	.866	.858	.835	73	72	87	77	.50	4	4 10	Cs, b.	O, r.
6	.889	.755	.984	.876	81.5	85.0	81.0	82.5	88.5	74.5	13.5	148.0	59.5	71.0	3.5	NE.	NW.	65	76.0	78.0	76.0	77.0	.825	.866	.875	.822	77	72	83	77	..	4	7 9	Cs, b.	Ck, b.
7	.881	.795	.905	.860	84.5	85.0	81.0	83.5	88.0	74.0	14.0	147.0	59.0	70.0	4.0	S.	S ₁ E.	80	77.0	78.0	77.5	77.5	.841	.866	.897	.868	73	72	85	76.5	.40	7	6 9	Ck, c.	Pc, c.
8	.927	.880	.820	.875	79.0	86.0	79.0	81.0	89.0	73.5	15.5	146.0	51.0	69.0	4.5	NNE.	NE.	100	76.5	78.0	77.0	77.0	.880	.852	.875	.750	89	68	91	82	..	8	7 4	Pc, c.	Ck, c.
9	.945	.813	.806	.854	84.5	85.5	80.5	83.5	87.5	75.0	12.5	148.0	60.5	71.0	4.0	N ₂ E.	NNW.	100	77.0	78.5	77.0	77.0	.828	.874	.882	.861	70	70	85	75	.25	4	5 4	Cs, b.	Ck, c.
10	.902	.768	.849	.839	83.0	84.0	81.0	82.5	88.5	75.5	13.0	147.0	58.5	70.0	5.5	N.E.	NW.	85	77.5	78.0	76.0	77.0	.876	.879	.831	.862	77	75	78	76	..	5	5 7	Cs, b.	Ck, b.
11	.876	.753	.848	.825	82.5	85.0	80.0	82.5	89.0	74.5	14.5	147.0	58.0	69.0	5.5	N ₂ E.	NNW.	140	78.0	78.0	77.0	77.5	.899	.866	.889	.869	81	72	87	80	.06	4	7 10	Cs, b.	Ck, c.
12	.910	.793	.840	.847	79.5	85.0	79.0	81.0	88.5	75.5	13.0	156.0	67.5	70.0	5.5	S.	S ₁ E.	105	75.5	77.5	77.0	76.5	.831	.849	.902	.860	82	72	91	81	..	5	4 12	Cs, b.	Ck, c.
13	.937	.825	.894	.885	81.0	85.0	80.0	82.0	88.5	73.5	15.0	152.0	63.5	70.0	3.5	NE.	S ₁ E.	70	76.5	77.0	77.0	77.5	.853	.911	.889	.884	80	75	87	80	..	3	9 10	Cs, b.	O, r.
14	.931	.799	.875	.865	82.0	86.0	79.0	82.0	89.5	71.5	18.0	147.0	57.5	68.0	3.5	NNE.	N.	130	76.0	78.0	76.5	76.5	.818	.879	.801	.832	65	68	89	77	.75	4	7 5	Ck, c.	Cs, b.
15	.880	.820	.862	.854	82.0	86.0	80.0	82.5	89.5	71.5	18.0	145.0	55.5	68.0	3.5	N ₂ E.	NW.	145	78.0	79.0	78.5	77.5	.899	.898	.867	.888	83	72	85	88	..	5	7 12	Ck, b.	C, b.
16	.916	.805	.873	.864	82.0	83.0	78.0	81.0	89.5	69.5	20.0	155.0	65.5	67.0	2.5	E ₂ N.	NW.	150	78.0	76.0	73.5	75.5	.906	.804	.768	.826	83	71	80	78	..	4	5 4	Pc, c.	Pc, c.
17	.920	.889	.901	.900	82.0	84.0	78.0	81.0	87.0	72.5	14.5	144.0	57.0	68.0	4.5	NNE.	NNW.	110	78.0	75.0	74.0	75.0	.906	.748	.787	.813	83	64	82	76	.13	3	6 4	Cs, b.	Cs, b.
18	.937	.836	.880	.884	80.5	84.0	78.6	80.5	88.0	71.5	16.5	142.0	54.0	70.0	1.5	NCE.	NW.	110	76.5	76.0	76.0	76.0	.845	.791	.872	.836	82	76	91	83	..	5	6 8	Ck, b.	Cs, b.
19	.915	.721	.834	.823	78.0	81.0	77.0	78.5	89.0	74.0	15.0	149.0	60.0	70.0	4.0	N ₂ E.	NW.	125	75.0	75.0	74.0	74.5	.829	.789	.801	.806	88	74	86	82	..	5	6 8	Cs, b.	Ck, c.
20	.918	.801	.840	.853	83.5	86.0	78.0	82.5	89.5	73.5	16.0	148.0	58.5	71.5	2.0	N ₂ W.	NW.	180	78.5	78.5	76.0	77.6	.908	.859	.872	.879	79	70	91	80	.21	4	5 10	Cs, b.	Ck, c.
21	.923	.841	.839	.867	81.5	82.0	79.0	80.5	88.0	73.5	14.5	154.0	66.0	70.0	3.5	N.	N ₂ W.	140	77.0	77.5	75.5	76.5	.868	.883	.837	.862	81	81	84	82	..	3	4 7	Pc, c.	Pc, c.
22	.925	.837	.925	.895	82.5	83.0	79.0	81																											

METEOROLOGICAL RESULTS OF THE CRIMINAL PRISON HOSPITAL OBSERVATORY, PENANG FOR THE MONTH OF DECEMBER, 1890.
 5° 24' N. Lat., 100° 20' E. Long. Height of Bar Cistern above Sea Level, 20 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.								TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.		CLOUD 0 TO 10		CLOUD & WEATHER INITIALS.								
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.							
1	Ins. 29·846	Ins. 29·751	Ins. 29·821	Ins. 29·806	81·0	85·0	81·0	82·0	89·0	71·5	17·5	152·0	63·0	67·0	4·5	NE.	SSE.	N ₂ W.	80	75·5	77·0	77·0	76·0	877	821	875	78	68	83	76	...	6	4	7	Cs, b.	Pk, c.		
2	'864	'805	'859	'842	82·5	83·0	81·0	82·0	87·0	72·5	14·5	151·0	64·0	68·0	4·5	NNE.	SE.	NW.	146	76·0	77·5	77·0	76·5	811	870	834	73	77	72	74	...	...	4	10	7	P. c.	O, r.
3	'913	'828	'840	'860	81·5	84·0	81·0	82·0	89·0	73·5	15·5	153·0	64·0	70·0	3·5	N.	NW.	NW.	90	75·0	77·0	77·0	76·0	782	848	875	73	75	53	77	1·15	4	10	7	C, Cs.	Pe, d.		
4	'913	'806	'893	'870	82·0	84·0	79·0	81·0	87·5	74·5	13·0	152·0	64·5	72·5	2·0	NW.	S.	NE.	45	78·0	78·5	77·0	77·0	906	886	902	83	77	91	83	...	...	3	9	8	Be, k.	Pe, o.
5	'913	'806	'877	'846	87·0	84·0	82·0	79·0	81·0	87·0	75·0	12·0	145·0	58·0	70·0	5·0	NNE.	NW.	S.	100	77·5	77·5	77·0	77·0	908	739	871	83	76	93	84	2	7	8	B, e.	Pk, e.
6	'989	'877	'846	'874	84·0	82·0	79·0	80·0	86·0	75·0	11·0	140·0	54·0	68·0	6·0	N.	NW.	SW.	60	77·5	77·5	77·0	76·0	879	944	902	75	76	91	80	...	...	6	8	6	Pk, e.	Gk, c.
7	'868	'975	'850	'894	80·0	79·0	78·0	80·0	86·0	75·0	12·0	152·0	65·0	73·0	2·0	NE.	SE.	SbW.	80	79·0	73·5	76·0	76·0	911	893	872	76	79	91	82	0·07	...	7	6	8	Cs, b.	Ok, c.	
8	'856	'769	'883	'835	85·0	83·0	78·0	82·0	87·0	75·0	12·0	152·0	65·0	73·0	2·0	NE.	N.	NW.	85	74·0	76·0	77·0	76·5	871	938	858	82	83	87	81	...	...	3	4	2	Cs, b.	Ck, c.
9	'903	'865	'891	'886	78·0	83·0	79·0	80·0	86·0	73·0	13·0	151·0	65·0	67·0	6·0	N.	N.	NW.	70	75·0	75·0	76·0	75·3	782	721	858	73	58	87	73	...	...	4	4	2	Pc, e.	O, r.
10	'927	'713	'876	'839	81·5	86·0	79·0	82·2	87·0	75·0	12·0	143·0	56·0	67·0	8·0	N ₂ W.	N.	NW.	115	74·0	75·0	74·0	74·3	76·0	721	760	747	74	58	74	69	2	2	3	Pc, e.	O, r.
11	'829	'733	'868	'810	80·0	86·0	80·0	82·0	83·0	72·0	12·0	153·0	65·0	64·0	8·0	NE.	NE.	NE.	115	74·0	75·0	74·0	74·3	76·0	721	760	747	74	58	74	69	2	4	2	Cb, s.	O, r.
12	'855	'755	'811	'807	82·0	86·0	79·0	82·3	88·0	72·0	16·0	151·0	62·0	65·0	7·0	NW.	SE.	SEE.	80	76·0	75·0	74·0	75·0	818	721	774	75	58	78	70	...	...	6	6	3	C, b.	Ck, b.
13	'864	'781	'835	'827	81·0	85·0	79·0	81·7	88·0	74·0	14·0	152·0	64·0	65·0	6·0	NE.	NW.	NW.	75	76·0	77·0	75·0	76·0	831	821	816	78	68	82	76	.75	...	5	8	10	Cs, b.	P, k.	
14	'848	'843	'894	'862	79·0	82·0	80·0	80·3	85·0	74·0	11·0	147·0	62·0	71·0	3·0	SE.	N ₂ E.	NE.	90	76·0	77·0	77·0	76·7	858	862	889	87	80	87	84	1·13	...	6	8	5	Pe, e.	O, r.	
15	'845	'752	'862	'820	80·0	83·0	79·0	80·7	85·0	75·0	10·0	145·0	60·0	71·0	4·0	NE.	N ₂ E.	NW.	65	77·0	78·0	77·0	77·3	889	893	902	87	79	91	86	...	...	6	9	10	Pe, e.	O, r.
16	'907	'854	'904	'888	78·0	78·0	77·0	77·5	86·0	73·5	12·5	149·0	63·0	68·0	5·5	NE.	NW.	NW.	90	75·0	75·5	75·5	75·0	823	854	864	849	86	89	89	...	...	6	6	4	P, e.	C, k.
17	'941	'859	'897	'896	78·0	84·0	79·0	79·7	85·0	74·0	11·0	150·0	65·0	70·0	4·0	NE.	N b W.	SbW.	95	75·0	79·0	76·0	76·7	829	925	886	86	79	95	87	...	...	6	8	10	Pe, e.	Ck, l.
18	'937	'801	'864	'869	80·0	80·0	79·0	89·7	84·0	75·0	9·0	137·0	53·0	70·0	5·0	NNE.	S b W.	NW.	75	75·0	76·5	75·0	75·7	802	845	816	821	78	82	82	81	6	8	8	Cs, b.	Pk, o.
19	'953	'820	'895	'889	81·5	87·0	75·5	81·3	89·0	73·0	16·0	153·0	64·0	71·5	1·5	NE.	N b W.	NW.	145	76·0	79·0	75·0	76·5	833	884	802	841	80	69	78	76	6	8	8	Cs, b.	Ck, l.
20	'941	'779	'964	'895	84·5	87·5	76·0	82·5	89·0	73·0	16·0	154·0	64·0	72·0	1·0	NW.	NW.	S ₂ E.	145	79·0	80·0	75·0	78·0	918	924	856	899	77	71	95	81	4	6	8	Cs, b.	Pk, o.
21	'925	'829	'958	'904	81·5	81·0	75·5	79·3	88·0	75·0	13·0	155·0	67·0	72·0	3·0	NE.	N.	NW.	65	76·0	79·0	74·0	76·5	831	966	821	872	78	81	93	87	2	5	2	Cs, b.	O, r.
22	'940	'822	'949	'904	83·0	83·5	78·0	81·1	85·0	75·0	10·0	156·0	71·0	72·0	3·0	N.	NW.	E.	90	78·0	77·0	74·5	76·5	893	841	807	847	79	73	88	80	2	5	2	Pe, e.	C, k.
23	'934	'844	'921	'889	82·5	85·0	76·0	79·6	89·0	75·0	14·0	154·0	65·0	73·0	2·0	N.	NW.	NW.	110	78·0	76·5	73·5	75·0	899	793	809	81	66	88	80	...	...	2	2	2	C, b.	b.
24	'942	'808	'930	'870	82·5	86·5	77·0	80·0	89·5	74·0	15·5	155·5	66·0	72·5	1·5	N.	NW.	NNW.	195	78·0	77·0	74·0	75·2	899	801	815	81	63	86	80	...	...	3	2	2	Cs, c.	b.
25	'934	'818	'909	'887	82·0	89·0	79·0	81·2	90·0	75·0	15·0	150·0	60·0	70·0	5·0	N.	NW.	NW.	150	74·0	73·0	73·0	72·7	735	597	732	694	67	44	74	66	2	2	2	C, b.	b.
26	'900	'784	'897	'860	80·0	86·0	78·0	79·2	90·0	73·0	17·0	147·0	57·5	66·0	7·0	N.	NW.	NW.	175	73·0	73·0	72·5	72·0	719	638	725	689	70	51	75	69	2	2	2	C, b.	b.
27	'931	'802	'888	'873	81·5	90·0	75·0	79·2	90·5	70·5	20·0	146·0	55·0	65·0	5·5	N.	NW.	S.	105	72·0	74·0	72·5	71·7	658	625	766	630	61	44	88	71	2	2	2	b.	b.
28	'909	'814	'916	'879	80·5	89·0	76·5	79·5	89·0	72·0	17·0	151·0	62·0	66·5	5·5	NE.	NNW.	NNW.	180	75·0	74·5	73·0	73·0	725	660	766	727	76	48	84	74	2	2	2	C, b.	b.
29	'937	'800	'873	'870	80·0	86·5	76·0	78·6	89·0	72·0	17·0	147·0	58·0	66·5	5·5	NE.	NNW.	N.	75	75·5	76·0	73·0</td																

Highest Atmospheric Pressure

29.989 Inches

Highest Atmospheric Pressure 29.983 INCHES
Lowest Atmospheric Pressure 29.713 ".

Lowest A.M.
(Highest Temp.)

{ Lowest Atmospheric Pressure 29.71" { Highest Temperature 91° Fa

Lowest Temperature	70.5	"
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Greatest Fall of Rain in 24 hours 1.15 inches

GRADIENT TEST OF PRACTICE IN 24 HOURS 1.10 METERS

*The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

F. K. HAMPSHIRE,
Colonial Surgeon.

METEOROLOGICAL RESULTS OF THE BUKIT MINYAK HOSPITAL OBSERVATORY, FOR THE MONTH OF JANUARY, 1890.
5°22' N. Lat., 100°30' E. Long.

Height of Bar Cistern above Sea Level, 43 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.		WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIV HUMI-DITY.		CLOUD 0 TO 10		CLOUD & WEATHER INITIALS.												
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.	Range.	Sun.	Difference Sun and Shade.	Grass.	Difference Shade and Radiation.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.						
1	29.962	29.880	29.944	29.928	86.0	89.5	79.0	82.1	91.5	74.0	17.5	144.0	52.5	72.0	2.0	Calm.	SW.	Calm.	10	79.0	80.5	77.0	78.8	.914	.903	.902	.906	72.66	91.76	...	0	6	6	b.	CK, c.	Ck, c.
2	29.978	29.896	29.982	29.952	85.0	89.0	79.0	81.7	91.5	74.0	17.5	144.0	52.5	72.5	2.0	SW.	NW.	Calm.	19	78.0	80.0	76.0	78.0	.898	.903	.858	.886	72.66	87.75	...	4	0	0	c.	CK, b.	b.
3	29.988	29.918	29.978	29.961	85.0	88.0	78.0	81.1	89.5	73.5	16.0	136.0	46.5	71.5	2.0	SW.	NW.	Calm.	41	77.5	78.0	76.0	77.1	.828	.825	.872	.841	76.62	91.74	...	0	6	8	b.	CK, c.	Pk, o.
4	29.992	29.823	29.885	29.900	81.5	86.0	80.0	80.3	88.0	74.0	14.0	121.0	33.0	70.0	4.0	Calm.	SW.	Calm.	50	76.5	78.0	75.0	76.5	.831	.852	.802	.828	78.68	78.74	...	8	6	6	CK, o.	PK, c.	CK, c.
5	29.882	29.791	29.811	29.828	80.0	86.5	80.0	79.8	89.0	73.0	16.0	139.0	50.0	69.0	4.0	Calm.	SW.	Calm.	40	77.0	79.0	76.0	77.3	.889	.907	.845	.880	87.70	82.79	.04	8	4	0	PK, o.	CK, b.	b.
6	29.899	29.787	29.896	29.860	84.0	89.5	79.0	81.3	91.5	73.0	18.5	141.0	49.5	70.0	3.0	Calm.	IWSW.	Calm.	16	80.0	79.0	76.5	78.5	.971	.864	.865	.900	83.64	89.78	...	4	2	4	CK, b.	CK, b.	Pk, b.
7	29.912	29.813	29.869	29.864	80.0	88.5	76.5	80.1	89.5	75.5	14.0	136.0	46.5	70.0	5.5	NE.	SSW.	Calm.	50	73.5	76.5	72.5	74.1	.726	.737	.732	.731	72.56	82.70	...	6	0	4	Ck, c.	Ck, c.	b,
8	29.960	29.832	29.850	29.880	80.5	88.5	75.0	78.8	89.5	71.5	18.0	128.0	38.5	69.0	2.5	NW.	SSW.	SW.	125	74.5	79.0	72.5	75.3	.760	.864	.746	.790	74.64	86.74	...	6	6	2	PK, c.	b.	CK, b.
9	29.862	29.808	29.852	29.840	82.5	85.5	74.5	78.1	89.5	70.0	19.5	133.0	43.5	68.5	1.5	SW.	SSW.	NE.	120	77.0	77.0	71.5	75.1	.855	.814	.720	.796	77.66	86.76	.07	4	6	2	CK, b.	CK, b.	Pk, c.
10	29.874	29.810	29.868	29.850	81.5	86.5	75.5	78.3	89.5	70.0	19.5	137.0	47.5	68.0	2.0	NE.	SSW.	NNW.	115	75.5	79.0	72.5	75.6	.789	.891	.746	.808	74.70	86.76	.40	6	4	0	CK, c.	PK, b.	b.
11	29.893	29.808	29.859	29.853	84.5	86.5	76.5	79.5	88.5	70.5	18.0	130.0	41.5	68.0	2.5	SSW.	SSW.	NNW.	175	77.0	78.5	72.5	76.0	.828	.852	.732	.804	70.68	82.73	.35	4	6	6	CK, b.	PK, c.	CK, c.
12	29.903	29.781	29.891	29.858	84.0	87.5	78.0	80.1	88.5	71.0	17.5	115.0	26.5	69.0	2.0	SSE.	NNE.	SSE.	54	76.5	77.5	74.5	76.1	.798	.794	.794	.795	79.62	84.71	.65	4	6	0	CK, b.	PK, c.	b,
13	29.863	29.818	29.839	29.840	81.5	82.5	75.5	77.7	86.5	71.5	15.0	110.0	23.5	69.0	2.5	SSW.	SSW.	Calm.	135	77.5	78.5	75.0	76.3	.875	.906	.780	.853	83.83	88.84	.23	4	4	0	CK, b.	CK b.	b.
14	29.848	29.787	29.841	29.855	83.5	85.5	75.5	78.8	88.5	71.0	17.5	134.0	45.5	68.0	3.0	SSW.	Calm.	SSW.	58	77.5	79.5	72.5	76.5	.848	.911	.746	.835	75.76	86.79	.62	6	4	0	CK, e.	CK, b.	b,
15	29.861	29.761	29.847	29.825	81.0	86.5	75.5	78.3	89.5	70.5	19.0	127.0	37.5	67.0	3.5	SSW.	SSW.	SSW.	60	75.5	79.5	72.5	75.8	.789	.898	.746	.811	74.72	86.77	.07	4	6	0	CK, b.	CK, c.	b.
16	29.971	29.778	29.864	29.874	82.5	86.5	77.0	79.1	89.5	70.5	19.0	140.0	50.5	68.0	2.5	Calm.	NNW.	SSW.	80	77.0	76.5	74.0	75.8	.855	.764	.801	.806	77.61	86.74	.90	4	10	0	CK, b.	CK, o.	b.
17	29.873	29.720	29.841	29.811	82.5	86.0	76.0	78.7	87.5	70.5	17.0	125.0	37.5	67.0	3.5	SSW.	Calm.	Calm.	136	77.0	76.5	72.5	75.3	.855	.771	.739	.788	77.63	84.74	.30	4	8	0	CK, b.	Pk, o.	b.
18	29.843	29.794	29.835	29.824	82.0	85.0	76.5	79.0	87.5	72.5	15.0	124.0	36.5	68.0	4.5	NNW.	SSW.	Calm.	125	76.5	78.0	75.0	75.8	.825	.866	.766	.819	77.72	84.77	.10	4	6	0	CK, b.	CK, c.	b.
19	29.908	29.834	29.900	29.880	79.5	83.5	76.5	78.0	88.0	72.5	15.5	135.0	45.0	69.0	3.5	SSW.	SSE.	SSW.	125	77.5	79.5	74.0	77.0	.902	.938	.807	.882	91.83	88.87	.05	4	6	8	CK, b.	Pk, o.	Pk, o.
20	29.895	29.805	29.856	29.852	79.5	85.5	77.5	79.0	88.0	73.5	14.5	122.0	34.0	70.0	3.5	NNW.	NNE.	SSE.	55	75.5	79.5	74.5	76.5	.816	.911	.801	.842	82.76	86.81	.13	4	6	0	PK, b.	CK, b.	b.
21	29.914	29.828	29.872																																	

METEOROLOGICAL RESULTS OF THE BUKIT MINYAK OBSERVATORY, FOR THE MONTH OF FEBRUARY, 1890.
5°22' N. Lat., 100°30' E. Long.

Height of Bar Cistern above Sea Level, 43 ft.

DATE	BAROMETER—REDUCED TO 32°			TEMPERATURE OF AIR.						TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIV HUMI- DITY.			CLOUD 0 TO 10			CLOUD & WEATHER INITIALS.								
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.	Range.	Sun.	Difference Sun and Shade.	Grass.	Difference Shade and Radiation.	9 H.	15 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.				
1	29.959	29.814	29.919	29.897	84.5	89.5	79.5	81.2	91.5	71.5	20.0	143.5	52.5	69.0	2.5	NNW.	SSE.	95	77.5	78.5	76.5	77.5	.834	.780	.858	.824	72.59	87	72	4	6	8	Ck, b.	Ck, c.	Ck, o.	
2	.939	.836	.917	.897	83.5	88.5	76.5	80.0	89.5	71.5	18.0	136.5	47.0	68.0	3.5	SSE.	NNW.	105	76.5	80.5	73.5	76.5	.804	.917	.773	.831	71.69	86	75	4	6	2	Ck, b.	Ck, c.	Pk, b.	
3	.947	.804	.847	.866	81.5	90.0	78.5	80.1	92.5	70.5	22.0	147.5	55.0	67.0	3.5	NNW.	SSW.	195	75.5	78.5	76.5	76.5	.789	.805	.872	.822	74.58	91	74	6	0	8	Ck, c.	b.	Pk, o.	
4	.949	.735	.844	.842	81.5	89.5	73.5	80.0	91.5	70.5	21.0	145.5	54.0	67.0	3.5	NNW.	SSW.	175	73.5	78.5	72.5	74.5	.705	.811	.703	.740	67.59	74	66	..	2	0	0	Cs, K, b.	b.	Pk, o.
5	.937	.718	.822	.825	82.5	87.5	80.5	80.5	89.5	71.5	18.0	148.5	59.0	68.0	3.5	SSW.	SSW.	150	79.5	77.5	76.5	77.5	.952	.794	.845	.863	87.62	82	77	..	4	4	8	Ck, b.	Ck, b.	Pk, o.
6	.945	.734	.833	.837	82.5	89.5	79.5	80.5	91.5	70.5	21.0	149.5	58.0	67.0	3.5	SSW.	Calm.	95	77.5	81.5	76.5	78.5	.862	.951	.858	.890	79.69	87	78	.17	4	4	8	Ck, b.	Pk, b.	Pk, o, r.
7	.931	.811	.859	.867	78.0	88.5	77.5	79.3	90.5	73.5	17.0	141.0	50.5	69.0	4.5	SSW.	Calm.	75	75.5	78.5	75.5	79.5	.839	.825	.843	.835	89.62	91	80	.93	6	4	10	Cs, K, c.	Ck, b.	Pk, o, r.
8	.924	.790	.836	.850	51.5	88.5	78.5	80.1	90.5	72.0	18.5	143.0	57.5	67.5	4.5	SSW.	Calm.	45	76.5	79.5	75.5	77.5	.831	.871	.829	.843	78.66	86	76	..	4	6	0	Ck, b.	Ck, c.	Pk, c.
9	.927	.787	.879	.864	53.5	90.0	76.5	80.3	89.5	71.5	18.0	140.0	50.5	65.0	3.5	SSE.	SSW.	55	76.5	77.5	74.5	76.5	.804	.774	.814	.797	71.57	91	73	.04	2	4	6	Cs, K, b.	Pk, b.	Pk, c, r.
10	.944	.708	.860	.837	55.5	88.5	77.5	80.7	89.5	71.5	18.0	140.0	50.5	68.0	3.5	SSW.	SSE.	75	76.5	79.5	74.5	76.5	.777	.871	.801	.816	64.66	86	72	..	4	2	0	Ck, b.	Ck, b.	Pk, c.
11	.928	.755	.844	.841	81.0	82.5	77.5	77.8	90.5	70.5	20.0	143.0	52.5	67.0	3.5	SSE.	SSW.	80	76.5	78.5	74.5	76.5	.838	.906	.801	.848	89.83	86	83	.43	4	6	10	Ck, b.	Pk, c.	Po, r.
12	.932	.778	.855	.855	78.5	83.5	77.5	77.5	87.5	70.5	17.0	105.0	20.5	67.0	3.5	SSW.	NNW.	75	76.5	78.5	75.0	76.0	.872	.893	.839	.868	91.79	89	86	..	4	6	6	Pk, b.	Ck, c.	Pk, c.
13	.958	.810	.847	.871	79.5	87.5	78.5	79.0	91.5	70.5	21.0	149.0	57.5	67.0	3.5	SSW.	Calm.	25	75.5	80.5	76.0	77.5	.816	.931	.865	.870	82.72	89	81	.30	4	6	10	Cs, K, b.	Pk, c.	Pk, o, r.
14	.935	.790	.852	.860	81.5	89.5	78.5	80.5	90.5	72.5	18.0	143.0	52.5	68.0	4.5	NNW.	SSW.	45	77.0	79.5	76.0	77.5	.868	.857	.865	.863	81.63	89	77	1.07	4	4	10	Cs, K, b.	Ck, b.	Pk, o, r.
15	.904	.726	.843	.824	86.0	85.5	78.5	80.6	91.5	72.5	19.0	151.0	59.5	69.0	3.5	SSW.	SSE.	50	78.5	79.5	76.0	78.0	.855	.911	.865	.878	70.76	89	78	..	4	4	6	Ck, b.	Ck, b.	Pk, c.
16	.860	.688	.819	.789	83.5	88.5	79.0	80.8	90.5	72.5	18.0	142.0	51.5	68.0	4.0	SSW.	SSW.	50	79.5	80.0	76.5	78.6	.938	.910	.865	.904	83.68	89	80	..	4	2	0	Ck, b.	Ck, b.	b.
17	.965	.778	.896	.879	85.5	90.5	82.5	83.0	91.5	73.5	18.0	145.0	53.5	69.0	4.5	SSW.	SSW.	30	79.5	79.0	76.5	78.3	.911	.837	.818	.855	76.58	76	70	..	4	4	0	Ck, b.	Ck, b.	b.
18	.998	.782	.898	.892	84.5	86.5	76.5	80.2	90.5	73.5	17.0	151.0	60.5	70.0	3.5	NNE.	SSW.	25	79.5	78.5	74.0	77.5	.925	.852	.807	.861	79.68	88	78	..	6	6	0	Ck, c.	Ck, c.	b.
19	.959	.758	.859	.858	83.5	81.5	78.5	79.2	90.5	73.5	17.0	145.0	54.5	70.0	3.5	NNE.	SSE.	25	78.5	77.5	74.5	76.8	.893	.875	.787	.818	79.83	82	81	1.03	4	6	0	Cs, K, b.	Ck, c.	Pk, o, r.
20	.977	.770	.920	.889	84.5	90.0	77.5	81.1	90.5	72.5	18.0	150.0	59.5	68.0	4.5	SSW.	SSW.	45	76.5	80.5	75.0	77.5	.791	.897	.839	.842	68.65	89	74	.49	2	4	10	Cs, K, b.	Pk, b.	Pk, o, r.
21	.960	.808	.873	.880	82.5	85.5	76.5	79.5	90.5	73.5	17.0	150.0	59.5	69.0	4.5	SSW.	NNW.	45	78.5	78.0	7															

METEOROLOGICAL RESULTS OF THE BUKIT MINYAK OBSERVATORY, FOR THE MONTH OF MARCH, 1890.

5°21' N. Lat., 100°30' E. Long.

Height of Bar Cistern above Sea Level, 43 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.								TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.		CLOUD 0 TO 10		CLOUD & WEATHER INITIALS.						
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	Grass.	Difference Sun and Shade.	Difference Shade and Radiation.	9 H.	15 H.	21 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Before 9 A.M.	After 3 P.M.		
1	Ins. 29.887	29.757	835	29.826	80.5	89.5	79.5	80.0	92.5	70.5	22.0	154.0	61.5	67.0	3.5	NNE. SSW.	SSW.	SSW.	100	75.5	80.0	76.5	77.3	802	897	858	852	78.65	87.76	76	...	4	4	2	Cs, k, b.	Ck, b.	Ck, b.
2	.959	.812	895	.888	80.0	85.5	81.5	79.6	92.5	71.5	21.0	153.0	60.5	68.0	3.5	SSW. SSW.	SSW.	SSW.	50	75.5	79.5	76.5	77.1	809	911	831	850	80.76	78.78	78	.24	2	4	10	CS, k, b.	Ck, b.	Pk,o,r.
3	.959	.800	909	.889	81.0	82.5	79.5	78.3	85.5	70.0	15.5	150.0	61.5	67.0	3.0	SSS. SSW.	SSW.	SSW.	75	77.5	78.5	76.5	77.5	875	906	858	872	83.83	87.87	84	1.00	4	4	10	Ck, b.	Ck, b.	Pk,o,r.
4	.957	.743	867	.855	83.5	85.5	78.0	79.2	89.0	70.0	19.0	150.0	61.0	67.0	3.0	SSW. SSE.	NNW.	SSW.	85	78.5	79.0	75.5	77.6	893	904	839	878	79.74	89.80	80	.76	2	6	10	Ck, b.	Pk, e.	Po, r.
5	.917	.892	856	.858	84.5	89.5	81.5	81.5	90.5	70.5	20.0	142.0	51.5	66.0	4.5	SSW. NNW.	SSW.	SSW.	60	78.5	79.5	76.5	78.1	879	857	831	855	75.63	78.72	72	.18	2	4	8	Ck, b.	Ck, b.	Pk,o,r.
6	.910	.730	843	.827	86.5	92.5	82.5	80.7	93.5	71.5	22.0	152.0	58.5	67.0	4.5	SSW. SSW.	NNW.	SSW.	45	78.5	80.5	77.0	79.3	832	863	945	886	68.57	83.69	69	...	2	4	6	Ck, b.	Ck, b.	Ck, c.
7	.936	.763	896	.865	81.5	87.5	79.5	80.0	90.5	71.5	19.0	154.0	63.5	67.0	4.5	SSW. NNW.	SSW.	SSW.	125	76.5	79.5	75.5	77.1	831	884	816	843	78.69	82.76	76	...	4	6	2	Ck, b.	Ck, c.	Ck, b.
8	.901	.772	811	.828	84.5	83.5	81.5	80.0	90.5	70.5	20.0	152.0	61.5	67.0	3.5	SSW. NNE.	SSW.	SSW.	65	76.5	77.0	75.5	76.5	791	841	789	807	68.73	74.71	71	...	4	4	6	Ck, b.	Ck, b.	Pk, c.
9	.902	.802	847	.850	83.5	91.5	85.5	83.7	92.5	70.0	22.5	148.0	55.5	66.0	4.0	SSW. SSW.	NNW.	SSW.	80	78.5	80.5	78.0	79.0	893	876	859	876	79.69	70.70	69	...	2	6	6	Ck, b.	Ck, c.	Pk, c.
10	.924	.795	856	.858	84.0	90.5	82.0	82.1	92.5	72.0	20.5	146.0	53.5	68.0	4.0	NNW. SSE.	SSW.	SSW.	70	76.0	80.0	76.5	77.5	791	883	825	833	68.62	77.77	68	...	4	6	8	Ck, b.	Ck, e.	Pk, e.
11	.938	.781	835	.851	83.5	88.5	85.5	83.0	92.5	74.5	18.0	152.0	59.5	70.0	4.5	SSW. SSW.	SSE.	SSW.	95	76.0	79.5	78.0	77.8	798	871	859	842	69.66	70.70	68	.12	4	4	6	Ck, b.	Pk, b.	Pk,o,r.
12	.944	.746	814	.834	81.5	87.5	85.5	82.2	91.5	74.5	17.0	156.0	64.5	70.0	4.5	NNE. SSW.	SSW.	SSW.	65	76.5	80.0	79.0	78.5	831	924	904	886	78.71	74.74	74	...	6	2	0	Ck, b.	Pk, b.	Pk, c.
13	.894	.777	840	.837	81.5	87.5	80.5	81.1	90.5	75.0	15.5	157.0	66.5	71.0	4.0	SSW. SSW.	SSW.	SSW.	80	75.5	79.5	76.0	77.0	789	898	838	841	74.72	80.75	75	...	6	2	0	Pk, c.	b.	Ck, b.
14	.890	.786	860	.845	83.5	89.5	80.5	82.0	92.5	74.5	18.0	156.0	63.5	70.0	4.5	SSW. NNW.	NNW.	SSW.	50	75.0	80.0	76.0	77.0	755	897	838	830	65.65	80.80	70	...	4	4	6	Ck, b.	Ck, b.	Ck, c.
15	.947	.791	859	.865	84.5	89.5	82.0	82.5	93.5	74.0	19.5	164.0	70.5	69.0	5.0	SSW. NNW.	NNW.	SSW.	70	77.0	79.5	76.5	77.6	828	857	825	826	70.63	77.77	70	...	6	6	0	Ck, c.	b.	Ck, c.
16	.937	.775	908	.873	85.5	83.5	83.5	83.0	94.5	74.5	20.0	165.0	70.5	70.0	4.5	SSW. SSW.	SSW.	SSW.	120	78.0	79.5	76.5	78.0	859	871	804	844	70.66	71.69	69	...	4	2	0	Ck, b.	b.	Ck, b.
17	.946	.802	842	.863	83.5	89.5	80.5	81.8	92.0	74.0	18.0	160.0	68.0	69.0	5.0	SSW. SSW.	SSW.	SSW.	45	76.0	79.0	75.5	76.8	798	850	802	816	69.31	78.69	69	...	4	4	6	Ok, b.	Ck, b.	Ck, e.
18	.943	.801	891	.878	84.5	90.5	82.5	83.3	93.0	76.0	17.0	150.0	57.0	72.0	4.0	SSW. NNE.	NNW.	SSW.	65	77.5	80.5	79.0	79.0	834	890	945	889	72.63	85.73	73	1.00	4	6	10	Ck, b.	Ck, c.	Po, r.
19	.902	.770	863	.845	82.5	90.5	80.5	82.2	92.5	75.5	17.0	190.0	67.5	69.0	6.5	SSW. SSE.	NNE.	SSW.	60	76.0	79.5	76.5	77.3	811	843	845	833	73.60	80.80	71	...	4	6	0	Ck, b.	Ck, c.	b.
20	.949	.796	863	.869	82.5	87.5	80.5	81.2	92.0	74.5	18.0	152.0	60.0	68.0	6.5	SSW. SSW.	SSW.	SSW.	65	76.0	78.5	75.															

METEOROLOGICAL RESULTS OF THE BUKIT MINYAK OBSERVATORY, FOR THE MONTH OF APRIL, 1890.
5°22' N. Lat., 100°30' E. Long.

Height of Bar Cistern above Sea Level, 43 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.				CLOUD 0 TO 10		CLOUD & WEATHER INITIALS.																	
	9 H.		15 H.		21 H.		Mean.		9 H.		15 H.		21 H.		Sun.		Difference Sun and Shade.		Grass.		Direction.		Velocity.		9 H.		15 H.		21 H.		Mean.		9 H.		15 H.		21 H.		Mean.		Rain Inch- es.		Before 9 A.M.		9 A.M. to 3 P.M.		After 3 P.M.	
1	Ins.	Ins.	Ins.	Ins.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	NNW.	SW.	SW.	75	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	Ins.	%	%	%	%	0	0	4	b.	b.	Cs, k, b.							
2	29.889	29.820	29.857	29.855	86.0	86.0	80.0	81.3	93.0	75.0	18.0	148.0	55.0	71.0	4.0	149.0	57.0	72.0	4.0	SSW.	SSW.	SSW.	95	81.0	81.0	78.0	80.0	.992	.992	.933	.972	30	80	91	83	...	0	0	4	b.	b.	Pk, o, r.						
3	841	841	841	841	89.7	89.7	83.0	84.2	92.0	76.0	16.0	149.0	57.0	72.0	4.0	145.0	53.0	73.0	3.0	SW.	SW.	SW.	105	80.0	81.0	75.0	78.2	.944	.924	.843	.900	76	63	91	76	.05	8	2	8	Pk, o.	Pk, b.	Pk, o, r.						
4	907	907	907	907	698	698	842	815	86.0	91.0	77.0	82.2	92.0	76.0	16.0	135.0	46.0	73.0	3.0	SW.	SW.	SW.	125	79.0	80.0	78.0	79.0	.911	.903	.933	.915	76	66	91	77	...	4	6	6	Pk, b.	Ck, c.	Ck, c.						
5	864	864	864	864	744	744	824	810	85.0	89.0	80.0	82.2	89.0	76.0	13.0	139.0	48.0	72.0	3.0	SW.	SW.	SW.	125	79.0	80.0	76.0	78.1	.898	.903	.818	.873	72	66	75	71	1.75	2	6	10	Cs, k, b.	Pk, c.	Poltor.						
6	835	835	835	835	732	732	775	780	86.0	89.0	82.0	83.0	91.0	75.0	16.0	146.0	54.0	70.0	4.0	SW.	W.	SW.	90	81.0	82.0	74.0	79.0	.978	.972	.788	.912	76	67	82	75	...	4	4	6	Ck, b.	Ck, b.	Ck, c.						
7	829	829	829	829	755	755	821	802	87.0	91.0	78.0	82.2	92.0	74.0	18.0	135.0	44.0	71.0	4.0	SW.	SW.	SW.	65	82.0	81.0	76.0	79.2	1.013	.978	.858	.949	76	76	87	79	.53	4	6	8	Cs, k, b.	Pk, c, d.	Pk, o, r.						
8	850	850	850	850	739	739	817	803	88.0	87.0	79.0	81.2	91.0	76.0	16.0	139.0	48.0	73.0	3.0	SW.	SW.	SW.	85	80.0	80.0	76.0	78.2	.953	.944	.858	.920	79	76	87	80	...	2	6	6	Ck, b.	Ck, c.	Ck, c.						
9	829	829	829	829	690	690	774	764	55.0	86.0	79.0	79.0	87.0	75.0	12.0	123.0	36.0	72.0	3.0	SW.	SW.	SW.	90	79.0	79.0	77.0	78.1	.966	.966	.902	.944	91	91	91	91	...	2	4	6	Cs, k, b.	Ck, b.	Pk, c.						
10	825	825	825	825	691	691	779	765	85.0	88.0	80.0	82.1	90.0	76.0	14.0	140.0	50.0	73.0	3.0	SW.	SW.	SW.	125	80.0	82.0	76.0	79.1	.958	1.013	.845	.938	79	76	82	79	.13	8	6	8	Pk, o, r.	Pk, c.	Pk, o, r.						
11	806	806	806	806	693	693	791	763	88.0	81.0	78.0	80.2	90.0	75.0	15.0	139.0	49.0	72.0	3.0	NW.	SW.	SW.	75	81.0	76.0	75.0	77.1	.965	.831	.829	.875	73	78	86	79	...	4	4	8	Ck, b.	Ck, c.	Ck, c.						
12	837	837	837	837	757	757	839	811	83.0	89.0	80.0	81.3	90.0	75.0	15.0	140.0	50.0	72.0	3.0	SW.	SW.	SW.	55	78.0	81.0	76.0	78.1	.893	.951	.845	.896	79	69	82	76	...	4	6	8	Cs, k, b.	Ck, b.	Pk, c.						
13	844	844	844	844	763	763	832	813	82.0	89.0	84.0	82.2	91.0	75.0	16.0	147.0	56.0	72.0	3.0	SW.	W.	SW.	60	79.0	79.0	80.0	79.1	.952	.857	.971	.926	87	63	83	77	.15	4	6	8	Ck, b.	Pk, c.	Pk, o, r.						
14	897	897	897	897	745	745	869	837	87.0	92.0	80.0	83.2	93.0	75.0	18.0	148.0	55.0	72.0	3.0	SW.	SW.	SW.	105	81.0	82.0	76.0	79.2	.978	.959	.845	.927	76	64	82	74	1.53	0	6	10	Pk, c.	Po, r.	Pk, o, r.						
15	883	883	883	883	769	769	861	837	88.0	91.0	82.0	84.1	92.0	76.0	16.0	148.0	56.0	73.0	3.0	SW.	SW.	SW.	45	81.0	81.0	77.0	79.2	.965	.924	.862	.917	73	63	79	71	.14	0	4	8	b.	Pk, b.	Pk, o, r.						
16	899	899	899	899	799	799	874	854	87.0	92.0	82.0	83.3	91.0	74.0	17.0	147.0	56.0	71.0	3.0	SW.	SW.	SW.	80	80.0	82.0	77.0	79.2	.931	.959	.862	.917	72	64	79	71	...	0	6	6	b.	Ck, c.	Pk, c.						
17	903	903	903	903	783	783	894	860	7																																							

METEOROLOGICAL RESULTS OF THE BUKIT MINYAK OBSERVATORY FOR THE MONTH OF MAY 1892

$5^{\circ} 22' N.$ Lat., $100^{\circ} 30' E.$ Long.

Height of Bar Cistern above Sea Level, 43 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.								TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.					
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	Difference Sun and Shade.	Difference Sun and Shade.	9 H.	15 H.	21 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	Before 9 A.M.	After 3 P.M.		
1	Ins.	Ins.	Ins.	29·836	29·810	80·5	89·5	80·5	80·7	91·5	72·5	19·0	160·0	68·5	69·5	3·0	SSW.	SSW.	SSW.	500	°F.	9 H.	15 H.	21 H.	Ins.	Ins.	Ins.	Ins.	Ck, b.	Ck, b.	Ck, b.			
2	.885	.741	.819	.815	85·5	82·5	78·5	79·7	91·5	72·5	19·0	144·0	52·5	69·5	3·0	SSW.	SSW.	SSW.	650	78·5	79·0	75·5	77·6	882	857	845	.861	55	63	82	76	..	4	4
3	.932	.766	.877	.858	88·5	84·5	79·5	81·3	92·5	73·0	19·5	147·0	51·5	70·0	3·0	SSW.	SSW.	SSW.	800	79·5	76·5	75·5	77·1	866	945	829	.886	72	85	86	81	48	2	2
4	.881	.709	.774	.788	79·5	87·5	78·5	79·5	91·5	72·5	19·0	144·0	52·5	70·0	2·5	SSW.	SSW.	SSW.	1050	76·5	79·5	75·0	77·0	853	884	829	.857	87	69	86	80	..	2	2
5	.910	.699	.818	.809	84·5	88·0	80·0	81·3	92·5	73·5	19·0	157·0	64·5	70·5	3·0	SSW.	SSW.	SSW.	600	76·5	78·5	75·5	76·8	791	832	809	.810	68	64	80	70	..	2	2
6	.864	.714	.814	.797	78·5	88·0	81·5	80·1	92·5	72·5	20·0	150·0	57·5	70·0	2·5	SSW.	SSW.	SSW.	550	75·5	79·5	76·5	77·1	829	877	831	.845	36	67	78	77	16	4	4
7	.916	.696	.812	.803	88·5	87·5	83·0	84·3	91·0	74·5	16·5	130·0	39·0	70·0	4·5	SSW.	SSW.	SSW.	950	79·5	78·5	77·0	78·3	871	871	848	.863	66	65	75	68	..	2	2
8	.932	.701	.822	.818	87·5	84·5	78·5	81·0	92·0	73·5	18·5	143·0	51·0	70·0	3·5	SSW.	SSW.	SSW.	600	78·5	76·5	75·0	76·6	833	791	822	.817	65	68	84	72	..	2	2
9	.935	.719	.845	.866	86·5	87·5	81·0	82·1	92·5	73·5	19·0	150·0	57·5	70·0	3·5	SSW.	SSW.	WSW.	850	79·0	79·5	76·5	78·3	891	881	838	.871	70	69	80	73	..	2	2
10	.954	.794	.864	.870	81·5	86·5	79·5	80·2	92·0	73·5	18·5	148·0	56·0	70·5	3·0	SSW.	SSW.	SSW.	450	76·5	78·5	75·5	76·6	831	893	809	.846	78	72	80	76	..	2	2
11	.907	.737	.830	.824	82·5	86·5	80·0	80·5	92·5	73·0	19·5	150·0	57·5	70·0	3·0	SSW.	NNW.	SSW.	750	76·5	79·5	75·0	77·0	818	898	895	.870	75	72	89	78	..	2	2
12	.916	.709	.829	.818	84·0	87·5	81·5	81·6	92·0	73·5	18·5	160·0	68·0	69·0	4·5	SSW.	SSW.	SSW.	400	79·0	79·5	77·5	78·6	925	877	831	.877	79	67	78	74	..	2	2
13	.948	.735	.827	.836	85·5	88·0	82·5	82·3	92·0	73·5	18·5	149·0	57·0	69·0	4·5	SSW.	SSW.	SSW.	600	78·5	79·5	76·5	78·0	866	871	775	.837	72	66	71	69	142	4	4
14	.957	.711	.856	.841	81·5	85·5	80·5	80·1	92·0	73·0	19·0	153·0	61·0	70·0	3·0	SSW.	SSW.	SSW.	750	70·5	79·5	75·5	77·1	831	911	802	.848	78	76	78	77	140	2	2
15	.929	.737	.845	.837	79·0	85·5	81·0	79·8	90·0	74·0	16·0	151·0	61·0	70·0	4·0	SSW.	WSW.	SSW.	600	75·5	78·5	76·5	76·8	852	866	838	.852	55	72	80	79	..	4	6
16	.903	.725	.846	.824	81·0	82·0	80·0	79·1	90·0	73·5	16·5	148·0	58·0	69·5	4·0	SSW.	WSW.	SSW.	800	76·5	77·5	75·5	76·5	838	868	809	.833	50	81	80	80	55	4	6
17	.859	.723	.828	.803	81·0	82·0	80·5	78·7	88·0	71·5	16·5	150·0	62·0	68·0	3·5	SSW.	SSW.	SSW.	1250	75·5	76·5	76·0	76·0	795	825	838	.813	76	77	80	77	25	4	6
18	.912	.711	.836	.819	82·5	81·0	76·0	77·8	85·0	72·0	13·0	150·0	65·0	69·0	3·0	SSW.	SSW.	SSW.	950	78·5	76·5	73·5	76·1	906	838	780	.838	83	80	88	83	38	6	6
19	.952	.726	.864	.840	77·0	83·5	76·5	77·3	89·0	72·5	16·5	130·0	41·0	69·0	3·5	SSW.	SSW.	SSW.	550	74·5	76·5	73·5	74·8	807	798	773	.792	83	69	86	81	..	6	6
20	.899	.703	.795	.799	80·0	80·5	78·0	78·0	85·0	73·5	11·5	154·0	69·0	70·0	3·5	SSW.	WSW.	SSW.	750	75·5	76·0	73·5	75·0	802	833	753	.800	80	80	80	80	10	4	6
21	.926	.728	.854	.836	82·0	88·5	80·0	80·8	90·0	73·0	17·0	153·0	63·0	70·0	3·0	SSW.	NNW.	SSW.	1000	76·0	78·5	75·0	76·5	818	825	802	.815	75	62	78	71	..	2	4
22	.955	.750	.862	.855	84·5	85·5	82·0	81·2	89·0	73·0	16·0	148·0	59·0	69·5	3·5	SSW.	SSW.	SSW.	650	76·5	78·5	75·5	76·8	791	866	780	.813	68	72	73	71	..	2	2
23	.905	.758	.855	.839	84·5	88·0	82·0	82·1	90·0	74·0	16·0	155·0	65·0	70·0	4·0	SSW.	SSW.	SSW.	450	77·5	79·5	76·5	77·8	834	877	825	.845	72	67	77	72	104	2	6
24	.947	.714	.860	.840	82·5	87·5	80·0	81·0	89·0	74·0	15·0	143·0	54·0	71·0	3·0	SSW.	SSW.	SSW.	750	76·5	78·5	75·5	76·8	818	871	809	.832	75	65	80	73	82	2	10
25	.950	.727	.857	.844	81·5	86·5	79·5	80·3	90·0	74·0	16·0	155·0	65·0	70·0	4·0	SSW.	SSW.	SSW.	850	76·0	79·0	75·5	76·6	825	891	809	.841	77	70	80	75	..	2	10
26	.934	.706	.848	.829	82·5	88·5	80·0	81·2	89·0	74·0	15·0	144·0	55·0	69·0	5·0	SSW.	SSW.	SSW.	750	77·0	79·0	75·5	77·1	855	864	809	.842	77	64	80	73	..	2	2
27	.920	.703	.838	.820	86·0	87·5	81·5	82·3	90·5	74·5	16·0	144·0	53·5	70·0	4·5	SSW.	SSW.	SSW.	550	79·0	79·5	76·5	78·3	904	884	831	.873	72	69	78	73	..	2	6
28	.901	.729	.873	.834	83·5	87·5	82·0	81·6	90·0	73·5	16·5	152·0	62·0	69·0	4·5	SSW.	WSW.	WSW.	600	78·5	79·5	77·5	78·5	893	884	862	.879	79	69	79	75	..	2	6
29	.889	.720	.816	.808	86·0	86·5	81·5	82·1	90·5	74·5	16·0	148·0	57·5	70·0	4·5	WSW.	SSW.	SSW.	700	79·0	79·5	76·5	77·6	895	898	831	.875	72	72	78	74	108	2	10
30	.885	.713	.844	.804	82·5	85·5	80·5	80·5	90·0	73·5	16·5	141·0	51·0	79·5	3·0	SSW.	NNW.	SSW.	850	77·5	78·5	76·5	77·5	862	866	845	.857	79	72	82	79	17	2	10
31	.902	.713	.858	.824	83·5	83·5																												

Highest Atmospheric Pressure 29.957 Inches.

Lowest Atmospheric Pressure 29.696 ..

In the shade,	{	Lowest Atmospheric Pressure	29.696 "
		Highest Temperature	92.5 Fah.
		Lowest Temperature	71.5 "
		Greatest Fall of Rain in 24 hours	1.42 Inches

*The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

J. H. McCLOSKY,
Colonial Surgeon

METEOROLOGICAL RESULTS OF THE BUKIT MINYAK OBSERVATORY, FOR THE MONTH OF JUNE, 1890.
 Height of Bar Cistern above Sea Level, 43 ft.
 5° 22' N. Lat., 100° 30' E. Long.

Highest Atmospheric Pressure Lowest Atmospheric Pressure

Lowest Atmospheric Pressure at Highest Temperature

In the Shade { Highest Temperature
Lowest Temperature
Greatest Fall of Rain in 24 hours

29.933 Inches
86.650

29.679 „
90.5° Fah.

72° „

3211.ch

* The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

J. H. McCLOSKY,
Colonial Surgeon

METEOROLOGICAL RESULTS OF THE BUKIT MINYAK HOSPITAL OBSERVATORY, FOR THE MONTH OF JULY, 1890.
 5° 21' N. Lat., 100° 30' E. Long. Height of Bar Cistern above Sea Level, 43 ft.

DATE	BALOMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.		CLOUD & WEATHER INITIALS.											
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	Grass.	9 H.	15 H.	21 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M.	9 A.M. to 3 P.M.
1	Ins. 29·867	Ins. 29·749	Ins. 29·811	Ins. 29·809	85·0	88·0	81·5	82·2	91·5	74·5	17·0	164·0	72·5	70·5	4·0	NNE.	NNE.	NNE.	150·0	79·5	78·5	74·5	77·5	Ins. 918	Ins. 832	Ins. 747	Ins. 832	%	%	%	%	...	2	2	4	Ck, b.	Pk, b.	Ck, c.
2	·842	·730	·805	·792	85·5	88·5	79·5	81·6	89·0	73·0	16·0	155·0	66·0	69·0	4·0	NNE.	ENE.	NNE.	160·0	79·5	78·5	74·0	77·3	·911	·825	·767	·834	77·6	62·76	71	70	...	2	2	4	Ck, b.	Ck, b.	Ck, c.
3	·820	·759	·790	·789	84·5	89·0	80·5	81·8	90·5	73·5	17·0	145·0	54·5	69·0	4·5	NNE.	NNE.	NNE.	150·0	79·0	78·0	74·5	77·1	·918	·811	·760	·829	77·5	59·74	70	23	...	2	2	4	C,k b.	Pk, l.	Po, r.
4	·857	·737	·814	·802	84·5	88·0	80·0	81·5	90·5	73·5	17·0	163·0	72·5	69·0	4·5	NNE.	NNE.	NNE.	100·0	76·5	79·5	75·0	77·0	·791	·879	·802	·824	68·67	78	71	15	...	6	6	6	Pk, e. r.	Pk, e. r.	Ck, c.
5	·852	·740	·795	·795	83·5	88·5	80·5	81·5	90·0	73·5	16·5	145·0	55·0	69·0	4·5	NNE.	NNE.	NNE.	120·0	76·0	78·5	76·0	76·8	·828	·825	·838	·830	69·62	80	70	1·12	...	2	2	4	Ck, b.	Pk, b.	Po, r.
6	·839	·798	·824	·820	84·0	89·0	80·0	81·7	90·0	74·0	16·0	144·0	54·0	69·0	5·0	NNE.	ENE.	NNE.	125·0	76·5	79·0	74·5	76·6	·798	·857	·769	·805	68·63	76	69	...	...	2	2	4	Ck, b.	Pk, b.	Pk, c.
7	·910	·732	·862	·834	83·5	86·5	79·5	80·3	90·0	72·0	18·0	163·0	73·0	68·0	4·0	NNE.	ENE.	NNE.	115·0	76·5	78·5	75·5	76·8	·804	·852	·816	·824	71·68	82	73	...	...	2	2	4	Ck, b.	Ck, c.	Ck, c.
8	·895	·722	·846	·821	84·0	88·0	79·0	81·0	90·0	73·0	17·0	150·0	60·0	69·0	4·0	NNE.	NNE.	NNE.	125·0	78·0	79·5	75·5	77·6	·879	·879	·822	·860	75·67	84	75	...	...	2	2	4	Ck, b.	Ck, c.	Ck, c.
9	·834	·756	·800	·796	83·5	88·0	78·5	80·5	90·0	72·0	18·0	155·0	65·0	69·0	3·0	NNE.	NNE.	NNE.	110·0	76·0	78·0	74·5	76·1	·798	·825	·787	·803	69·62	82	71	...	...	2	2	4	Ck, b.	Ck, c.	Pk, b.
10	·820	·731	·814	·788	84·0	88·0	80·0	81·0	90·0	72·0	18·0	160·0	70·0	68·0	4·0	NNE.	NNE.	NNE.	125·0	78·0	79·0	76·5	77·8	·879	·871	·852	·867	75·66	85	75	...	...	2	2	4	Ck, b.	Ck, b.	Pk, b.
11	·871	·754	·842	·822	82·5	86·0	80·0	80·1	90·0	72·0	18·0	140·0	50·0	69·0	3·0	NNE.	ENE.	NNE.	110·0	76·5	78·5	75·5	76·8	·818	·859	·809	·828	75·70	80	75	...	...	2	2	4	Ck, b.	Ck, b.	Ck, c.
12	·917	·722	·844	·827	83·0	86·0	80·6	80·5	89·0	73·0	16·0	153·0	64·0	69·0	4·0	ENE.	NNE.	NNE.	110·0	76·0	77·5	75·5	76·3	·804	·814	·809	·802	71·66	80	72	...	...	2	2	4	Ck, b.	Ck, b.	Pk, b.
13	·889	·744	·819	·817	83·0	88·0	79·0	80·7	89·0	73·0	16·0	150·0	61·0	69·0	4·0	NNE.	ENE.	NNE.	115·0	76·0	78·5	75·0	76·5	·804	·832	·816	·817	71·63	82	75	...	...	2	2	4	Ck, b.	Pk, b.	Ck, c.
14	·860	·729	·816	·801	84·0	87·0	80·0	81·0	90·0	73·0	17·0	155·0	65·0	69·0	4·0	NNE.	ENN.	NNE.	115·0	77·0	78·0	75·5	76·8	·834	·838	·809	·827	72·65	80	72	...	...	2	2	4	Ck, b.	Pk, c.	Pk, c.
15	·835	·710	·805	·783	82·0	87·0	80·0	80·5	89·0	73·0	16·0	135·0	46·0	69·0	4·0	ENE.	NNE.	NNE.	125·0	77·5	78·5	76·0	77·3	·868	·845	·845	·852	57·67	82	76	62	...	4	4	8	Cs, k. b.	Pk, o. r.	Po, r.
16	·865	·766	·825	·818	78·0	86·0	80·0	79·2	90·0	73·0	17·0	140·0	50·0	69·0	4·0	ENE.	NNE.	NNE.	115·0	75·0	79·0	76·0	76·6	·829	·895	·845	·856	56·72	82	80	28	...	4	4	6	S Cs, k. b.	Pk, c.	Po, r.
17	·825	·791	·811	·809	82·0	86·0	81·0	80·5	89·0	73·0	16·0	155·0	66·0	69·0	4·0	NNE.	ENE.	NNE.	110·0	77·0	78·0	75·0	76·6	·862	·852	·829	·847	79·65	86	77	...	...	2	2	4	Ck, b.	Pk, b.	Ck, c.
18	·843	·773	·834	·816	83·0	87·0	80·0	80·7	89·0	73·0	16·0	128·0	39·0	69·0	4·0	NNE.	ENE.	NNE.	110·0	76·5	78·5	76·0	77·0	·811	·845	·845	·833	73·67	82	74	...	...	2	2	4	Cs, k. b.	Pk, c.	Pk, c.
19	·895	·753	·848	·832	83·0	87·0	80·0	80·7	88·0	73·0	15·0	120·0	32·0	69·0	4·0	NNE.	ENE.	NNE.	115·0	77·0	78·0	75·0	76·6	·848	·838	·802	·829	75·65	78	72	08	...	2	2	4	Cs, k. b.	Pk, o. r.	Ck, c.
20	·906	·777	·884	·855	84·0	88·0	80·0	81·0	89·0	73·0	17·0	145·0	56·0	69·0	3·0	NNE.	ENE.	NNE.	120·0	78·0	79·0	76·0	76·6	·829	·895	·845	·856	56·72	82	80	...	...	2	2	4	Cs, k. b.	Pk, b.	Ck, c.
21	·915	·780	·886	·860	84·0	87·0	81·0	81·2	89·0	73·0	16·0	130·0	41·0	69·0	4·0	NNE.	NNE.	NNE.	120·0	79·0	80·0	77·0	78·6	·925	·931	·875	·910	79·72	83	78	...	...	2	2	4	Cs, k. b.	Pk, c.	Ck, c.
22	·899	·762	·862	·841	83·0	86·0	80·0	80·5	89·0	73·0	16·0	140·0	41·0	69·0	4·0	NNE.	ENE.	NNE.	115·0	76·0	78·0	75·0	76·3	·804	·852	·802	·819	71·68	78	72	...	...	2	2	4	Cs, k. b.	Pk, b.	Pk, c.
23	·913	·690	·883	·828	84·0	88·0	79·0	81·0	89·0	73·0	16·0	156·0	67·0	69·0	4·0	ENE.	NNE.	NNE.	110·0	79·0	78·5	74·5	77·3	·925	·832	·780	·845	79·61	80	74	...	...	2	2	4	Ck, b.	Ck, b.	Pk, b.
24	·884	·693	·840	·805	83·5	88·0	80·0	80·8	89·0	72·0	17·0	130·0	41·0	69·0	3·0	NNE.	NNE.	NNE.	120·0	76·5	78·5	75·5	76·8	·804	·832	·809	·815	71·64	80	71	84	...	2	2	4	S Cs, k. b.	Pk, o. r.	Po, r.
25	·874	·702	·810	·795	84·0	87·0	79·0	80·7	89·0	73·0	16·0	160·0	71·0	70·0	3·0	NNE.	ENE.	NNE.	120·0	79·0	78·5	75·0	77·5	·925	·845	·816	·862	79·67	82	76	...	...	2	2	4	Ck, b.	Pk, b.	Pk, b.
26	·866	·763	·825	·818	83·0	85·0	79·0	79·7	89·0	72·0	17·0	135·0	46·0	69·0	3·0	NNE.	ENE.	NNE.	115·0	78·0	77·0	75·0	76·6	·893	·821	·816	·843	79·68	82	76	50	...	2	2	4	Cs, k. b.	Pk, o. r.	Po, r.
27	·875	·721	·864	·820	85·0	88·0	80·0	81·5	89·0	73·0	16·0	150·0	61·0	69·0	4·0	NNE.																						

Highest Atmospheric Pressure 29.917 Inches

Lowest Atmospheric Pressure 29.690 ,

In the shade. { Highest Temperature

shade. } Highest Temperature

Lowest Temperature 72°0 "

Greatest Fall of Rain in 24 hours 6.22 Inc.

Gravitational fall of 1 mm in 24 hours = 0.22 inches

*The daily Mean Temperature of air is obtained from the results of the observations at 9 H, 15 H, 21 H, and Minimum Temperature.

J. H. McCLOSKY,
Colonial Surgeon.

METEOROLOGICAL RESULTS OF THE BUKIT MERTAJAM OBSERVATORY, FOR THE MONTH OF AUGUST, 1890.

$5^{\circ} 21' N.$ Lat., $100^{\circ} 28' E.$ Long.

Height of Bar Cistern above Sea Level, ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.						TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD & WEATHER INITIALS.												
	9 H.		15 H.		21 H.		Mean.		9 H.		15 H.		21 H.		9 H.		15 H.		21 H.		9 H.		15 H.		21 H.		9 H.		15 H.		21 H.		9 A.M. to 3 P.M.		After 3 P.M.			
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	°F.	°F.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Before 9 A.M.	9 A.M. to 3 P.M.
1	29.860	29.751	29.841	29.817	84.0	85.0	82.0	81.0	90.0	73.0	17.0	150.0	60.0	70.0	3.0	NNE.	NNE.	115	76.0	78.0	76.0	76.6	.791	.866	.818	.825	.68	.72	.75	.71	...	2	4	6	Ck, b.	Ck, b.	Ck, c.	
2	882	759	845	828	84.0	86.0	78.0	80.0	89.0	72.0	17.0	135.0	46.0	69.0	3.0	NN.	ENE.	115	76.0	78.0	74.5	76.1	.791	.852	.794	.812	.68	.68	.84	.73	.30	2	4	8	Ck, b.	Ck, o, r.	Pk, o, r.	
3	858	715	800	791	81.0	84.0	76.0	78.2	90.0	72.0	18.0	140.0	50.0	68.0	4.0	NN.	NN.	120	77.0	78.0	74.0	76.3	.875	.879	.814	.856	.83	.75	.91	.83	...	2	2	4	Ck, b.	Ck, b.	Ck, b.	
4	817	731	812	786	83.0	86.0	76.0	79.2	89.0	72.0	17.0	146.0	57.0	69.0	3.0	NN.	NN.	125	76.0	77.0	74.0	75.6	.840	.807	.814	.808	.71	.65	.91	.75	.20	2	8	6	Ck, b.	Pk, o, r.	Pk, c.	
5	843	784	819	815	84.0	87.0	80.0	81.0	89.0	73.0	16.9	148.0	59.0	64.0	4.0	NN.	NN.	115	76.0	79.0	76.5	77.1	.791	.884	.852	.842	.68	.69	.85	.74	...	2	4	2	Ck, b.	Pk, b.	Ck, b.	
6	871	772	844	829	80.0	87.0	79.0	79.7	90.0	73.0	17.0	150.0	60.0	70.0	3.0	NN.	NN.	120	76.0	78.0	75.5	76.5	.845	.838	.822	.835	.82	.65	.84	.77	.15	2	6	6	Ck, b.	Pk, o, r.	Ck, c.	
7	865	729	816	803	80.0	88.0	79.0	80.2	90.0	74.0	16.0	135.0	45.0	69.0	5.0	NN.	NN.	120	76.0	79.0	75.5	76.8	.845	.871	.822	.846	.82	.66	.78	.77	.10	6	2	4	Pk, o, r.	Ck, b.	Pk, b.	
8	888	778	831	832	81.0	87.0	80.0	80.0	89.0	72.0	17.0	136.0	47.0	69.0	3.0	ENE.	NN.	115	76.0	75.0	76.0	76.3	.831	.838	.802	.823	.78	.65	.78	.73	.20	8	4	6	Pk, o, r.	Pk, b.	Ck, c.	
9	893	727	832	817	82.0	86.0	81.0	80.5	89.0	73.0	16.0	135.0	46.0	69.0	4.0	NNE.	SSW.	110	77.0	78.0	76.0	77.0	.862	.852	.831	.848	.79	.68	.78	.75	.30	8	4	6	Pk, o, r.	Pk, b.	Ck, b.	
10	923	771	853	849	81.0	88.0	80.0	80.5	90.0	73.0	17.0	140.0	50.0	70.0	3.0	ENE.	NN.	120	76.0	79.0	75.0	76.6	.831	.871	.802	.834	.78	.66	.82	.74	...	2	4	6	Ck, b.	Pk, b.	Ck, c.	
11	883	796	851	843	82.0	87.0	80.0	80.5	89.0	73.0	16.0	140.0	51.0	69.0	4.0	NNE.	NNW.	115	77.0	78.0	76.0	76.6	.862	.838	.845	.848	.79	.65	.82	.75	.21	6	4	8	Pk, o, r.	Pk, c.	Pk, b.	
12	870	753	858	827	83.0	89.0	80.0	81.2	89.0	73.0	16.0	142.0	53.0	69.0	4.0	ENW.	NNE.	125	78.0	79.0	76.0	77.6	.893	.857	.845	.865	.79	.63	.82	.74	.11	6	6	6	Ck, e.	Pk, c.	Pk, c. r.	
13	937	736	901	858	82.0	88.0	79.0	80.7	89.0	74.0	15.0	148.0	59.0	70.0	4.0	NNE.	ENE.	115	78.0	79.0	75.0	77.3	.906	.871	.816	.864	.83	.66	.83	.77	.13	8	6	6	Pk, o, r.	Pk, c.	Ck, c.	
14	923	812	869	868	83.0	87.0	81.0	80.7	89.0	72.0	17.0	150.0	61.0	69.0	3.0	ENE.	WNE.	120	79.0	80.0	77.0	78.0	.938	.931	.875	.914	.83	.72	.82	.79	.38	8	6	8	Pk, o, r.	Pk, c.	Pk, o, r.	
15	945	797	875	872	82.0	87.0	79.0	80.0	88.0	72.0	16.0	130.0	42.0	69.0	3.0	NNE.	WNE.	115	78.0	79.0	75.0	77.3	.906	.884	.816	.868	.83	.69	.82	.78	...	2	2	6	Ck, b.	Ck, c.	Ck, c.	
16	899	744	857	833	83.0	88.0	80.0	81.0	90.0	73.0	17.0	135.0	45.0	69.0	4.0	NNE.	NNE.	120	78.0	79.0	76.0	77.6	.893	.871	.845	.869	.79	.66	.78	.75	I.29	4	8	8	Cs, k, b	Pk, o, r.	Pk, o, r.	
17	919	768	863	851	82.0	87.0	80.0	80.5	90.0	73.0	17.0	135.0	45.0	69.0	4.0	ENE.	NWW.	115	77.0	79.0	75.0	77.0	.862	.884	.802	.849	.79	.63	.82	.75	.15	8	6	4	Ck, b.	Ck, c.	Ck, d.	
18	904	754	842	833	83.0	88.0	79.0	80.7	89.0	73.0	16.0	140.0	51.0	69.0	4.0	NNE.	EWE.	120	78.0	79.0																		

METEOROLOGICAL RESULTS OF THE BUKUT MERTAJAM HOSPITAL OBSERVATORY, FOR THE MONTH OF SEPTEMBER, 1890.
5° 21' N Lat., 100° 28' 38" E. Long.

Height of Bar Cistern above Sea Level, 43 ft.

DATE	BAROMETER — REDUCED TO 32°				TEMPERATURE OF AIR,				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.				RAIN.		CLOUD & WEATHER INITIALS.				
	Ins.	9 H.	15 H.	21 H.	Ins.	9 H.	15 H.	21 H.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	Sun.	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	Ins.	%	%	%	%	Cloud 0 to 10	Cloud & Weather Initials.	9 A.M. to 3 P.M.	After 3 P.M.		
1	29.866	29.780	29.832	29.826	83.0	86.0	81.0	80.7	90.0	73.0	17.0	146.0	56.0	69.0	4.0	ENE.	NN.E.	150	77.0	79.0	76.5	77.5	.848	.89	.83	.861	75	72	80	79	.15	2	4	8 Cs. k. b.	Pk. b.
2	28.835	76.0	81.5	80.3	83.0	86.0	80.0	80.5	89.0	73.0	16.0	140.0	51.0	70.0	3.0	NNE.	ENE.	115	79.0	80.0	75.5	78.1	.938	.944	.809	.807	83	76	80	79	...	2	6	6 Ck. b.	Pk. c.
3	28.863	79.2	78.9	78.4	81.0	84.0	79.0	79.2	90.0	73.0	17.0	145.0	55.0	70.0	3.0	NNE.	ENE.	120	73.0	79.0	76.0	77.6	.920	.925	.855	.901	87	79	87	84	.01	4	6	8 Cs. b. b.	Pk. c.
4	28.795	69.3	74.5	74.7	84.0	87.0	78.0	80.5	92.0	73.0	19.0	130.0	58.0	70.0	3.0	NNE.	ENE.	115	79.0	80.0	75.0	78.0	.925	.931	.829	.893	79	72	86	79	...	2	6	4 Ck. b.	Pk. c.
5	28.831	77.1	81.4	80.5	84.0	88.0	79.0	80.7	90.0	72.0	18.0	145.0	55.0	69.0	3.0	SSW.	ENE.	120	79.0	80.0	74.5	77.8	.927	.917	.794	.878	77	69	84	77	...	6	6	4 Cs. k. c.	Pk. c.
6	28.895	75.3	80.9	81.9	83.0	87.1	78.0	80.2	89.0	73.0	16.0	135.0	46.0	69.0	4.0	SSW.	NNE.	115	73.0	79.0	74.0	77.0	.893	.884	.787	.654	79	69	82	76	...	2	6	6 Ck. b.	Ck. c.
7	28.915	81.2	85.9	86.2	85.0	88.0	79.0	81.2	90.0	73.0	17.0	130.0	40.0	70.0	3.0	ENE.	NNE.	120	79.0	80.0	75.5	78.1	.911	.917	.822	.883	76	69	81	76	...	4	6	6 Cs. k. b.	Ck. c.
8	28.925	83.2	91.7	89.1	84.0	87.0	80.0	81.1	93.0	73.5	16.5	135.0	45.0	69.0	4.5	NNE.	ENE.	115	79.0	80.0	76.0	78.3	.925	.931	.845	.904	79	72	82	77	...	2	4	4 Ck. b.	Ck. b.
9	28.856	72.3	81.6	79.8	82.0	84.0	80.0	80.0	89.0	74.0	15.0	138.0	49.0	70.0	4.0	NNE.	ENE.	110	78.0	79.0	75.5	77.5	.93	.925	.899	.890	83	79	80	8	...	4	6	6 Ok. b.	Pk. c.
10	28.871	62.5	80.4	76.6	82.0	85.0	79.0	80.0	83.0	74.0	14.0	135.0	47.0	61.0	5.0	NNE.	ENE.	120	78.0	79.0	75.0	77.3	.906	.911	.814	.875	83	76	82	80	...	4	8	6 Ok. b.	Pk. o.
11	28.895	77.2	84.8	83.8	81.0	83.0	78.0	81.5	82.0	74.0	15.0	140.0	51.0	69.0	5.0	NNE.	SSW.	125	78.0	79.0	75.5	77.5	.920	.93	.83	.899	85	83	89	86	.2	4	6	8 Cs. k. b.	Pk. c.
12	28.871	79.1	86.4	82.2	82.0	81.0	76.0	78.2	90.0	74.0	16.0	140.0	50.0	71.0	3.0	NNE.	NNE.	125	78.0	77.0	71.0	76.3	.906	.875	.814	.865	83	83	91	85	...	6	6	4 Pk. c.	Pk. b.
13	28.835	72.4	81.6	79.1	82.0	85.0	79.0	79.7	89.0	73.0	16.0	135.0	46.0	70.0	3.0	ENE.	NNE.	115	78.0	79.0	76.0	77.6	.906	.911	.858	.891	85	76	87	82	...	2	6	6 Ck. b.	Pk. c.
14	28.878	68.9	85.8	80.8	83.0	80.0	77.0	78.5	87.0	74.0	13.0	130.0	43.0	69.0	5.0	NNE.	SSW.	115	79.0	77.0	75.0	77.0	.93	.883	.843	.896	83	87	91	87	.58	8	6	4 Pk. o. r.	Pk. c.
15	28.819	70.2	80.5	77.5	80.0	84.0	78.0	81.2	89.0	73.0	16.0	130.0	41.0	70.0	3.0	NNE.	SSW.	125	76.0	78.0	75.0	76.3	.845	.879	.829	.851	82	75	86	81	...	6	6	4 Cs. k. c.	Pk. b.
16	28.866	75.3	80.1	80.6	83.0	79.0	76.0	77.5	86.0	72.0	14.0	135.0	49.0	69.0	3.0	NNE.	ENE.	115	78.0	76.0	74.0	76.0	.893	.858	.814	.855	79	87	91	85	...	4	6	4 Cs. k. b.	Ck. e.
17	28.881	79.1	80.4	82.6	80.0	88.0	78.0	79.7	90.0	73.0	17.0	141.0	51.0	70.0	3.0	NNE.	ENE.	115	76.0	79.0	75.0	76.6	.84	.871	.829	.833	82	63	86	78	...	2	4	6 Ok. b.	Pk. b.
18	28.893	74.7	82.5	82.1	82.0	83.0	80.0	79.5	89.0	73.0	16.0	126.0	37.0	69.0	4.0	SSW.	ENE.	120	78.0	79.0	76.0	77.6	.906	.933	.813	.896	83	83	85	84	...	2	6	6 Ck. b.	Ck. e.
19	28.926	82.2	84.0	86.2	84.0	80.0	78.0	78.7	89.0	73.0	16.0	130.0	41.0	69.0	4.0	NNE.	ENE.	115	77.0	76.0	74.5	75.0	.831	.845	.794	.820	72	82	84	79	...	6	4	4 Cs. k. c.	Pk. b.
20	28.947	78.9	81.6	85.0	82.0	84.0	78.0	79.0	89.0	72.0	17.0	130.0	41.0	62.0	3.0	ENE.	SSW.	120	78.0	79.0	75.5	77.5	.906	.925	.839	.890	83	79	89	83	.42	4	8	8 Cs. k. l.	Pk. o. r.
21	28.908	72.9	84.4	82.7	83.0	80.0	77.0	78.2	90.0	73.0	17.0	125.0	35.0	70.0	3.0	NNE.	NNE.	125	78.0	76.0	74.5	76.1	.893	.845	.80	.848	79	82	88	83	.65	8	6	4 Pk. o. r.	P

METEOROLOGICAL RESULTS OF THE BUKIT MERTAJAM HOSPITAL OBSERVATORY, FOR THE MONTH OF OCTOBER 1890.
5° 21' N. Lat., 100° 28' 38" E. Long.

Height of Bar Cistern above Sea Level, 65 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD 0 TO 10			CLOUD & WEATHER INITIALS.						
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	After 3 P.M.				
1	29.74	29.74	29.74	29.74	86.0	88.0	81.5	84.5	78.0	80.0	79.0	79.0	72.0	72.0	17.0	14.0	71.0	69.0	69.0	69.0	115	115	115	115	73.0	73.0	73.0	73.0	78.3	78.3	78.3	78.3	74	74
2	84.5	84.5	84.5	84.5	85.7	80.0	87.0	80.0	79.0	79.0	79.0	79.0	70.0	70.0	17.0	15.0	60.0	60.0	60.0	60.0	125	125	125	125	76.0	75.5	75.5	76.0	84.5	84.5	84.5	84.5	77	77
3	88.8	87.7	86.2	86.2	84.0	82.0	81.0	81.0	79.0	79.0	79.0	79.0	70.0	70.0	16.0	13.0	41.0	67.0	67.0	67.0	120	120	120	120	78.0	79.0	76.0	77.0	92.5	92.5	92.5	92.5	83	83
4	91.1	73.5	85.1	85.1	83.3	81.0	83.0	83.0	80.2	85.0	72.0	72.0	16.0	13.0	45.0	55.0	55.0	55.0	4.0	4.0	115	115	115	115	76.0	75.5	75.5	76.0	83.1	83.1	83.1	83.1	74	74
5	86.8	73.0	83.1	83.1	83.9	82.0	87.0	87.0	81.0	80.7	89.0	89.0	73.0	73.0	17.0	14.0	50.0	50.0	50.0	50.0	125	125	125	125	78.0	79.0	76.5	77.0	90.6	90.6	90.6	90.6	77	77
6	89.8	80.3	86.1	86.1	85.4	81.0	86.0	86.0	83.0	79.7	89.0	89.0	72.0	72.0	17.0	14.5	56.0	65.0	65.0	65.0	120	120	120	120	77.0	79.0	74.5	76.0	87.5	87.5	87.5	87.5	76	76
7	90.1	74.3	88.3	88.3	88.3	82.0	86.0	86.0	79.0	83.0	90.0	90.0	73.0	73.0	17.0	13.0	40.0	60.0	60.0	60.0	115	115	115	115	75.0	75.0	75.0	75.0	90.6	90.6	90.6	90.6	79	79
8	93.2	75.2	82.8	82.8	83.7	80.0	85.0	85.0	79.0	79.0	89.0	89.0	72.0	72.0	17.0	14.0	4.0	6.0	6.0	6.0	120	120	120	120	76.0	78.0	75.0	76.0	84.5	84.5	84.5	84.5	78	78
9	90.8	78.1	87.3	87.3	85.1	82.0	84.0	84.0	78.0	79.0	79.0	79.0	60.0	60.0	18.0	13.0	45.0	59.0	59.0	59.0	120	120	120	120	78.0	79.0	74.5	75.0	87.5	87.5	87.5	87.5	79	79
10	87.9	73.6	83.9	83.9	83.7	81.0	86.0	86.0	80.0	80.0	89.0	89.0	73.0	73.0	16.0	14.0	41.0	51.0	51.0	51.0	125	125	125	125	77.0	78.0	75.0	76.0	87.5	87.5	87.5	87.5	76	76
11	88.1	79.4	84.8	84.8	84.1	80.5	87.0	87.0	79.8	79.0	89.0	89.0	72.0	72.0	17.0	14.0	40.0	51.0	51.0	51.0	115	115	115	115	78.5	79.0	75.5	76.0	90.6	90.6	90.6	90.6	75	75
12	88.4	84.4	87.0	87.0	86.6	82.0	85.0	85.0	80.0	80.0	89.0	89.0	73.0	73.0	16.0	13.0	43.0	59.0	59.0	59.0	115	115	115	115	78.0	77.0	74.0	75.0	82.1	82.1	82.1	82.1	75	75
13	89.7	71.8	81.7	81.7	81.1	83.0	85.0	85.0	78.0	79.8	89.0	89.0	72.0	72.0	17.0	13.0	40.0	41.0	41.0	41.0	120	120	120	120	78.0	79.0	74.5	75.0	89.3	89.3	89.3	89.3	75	75
14	82.1	72.1	80.1	80.1	78.8	83.0	85.0	85.0	78.0	80.2	89.0	89.0	72.0	72.0	17.0	12.5	36.0	60.0	60.0	60.0	110	110	110	110	79.0	78.0	75.0	76.0	82.5	82.5	82.5	82.5	77	77
15	82.9	65.5	89.3	89.3	77.2	81.0	86.0	86.0	78.0	79.5	89.0	89.0	77.0	77.0	16.0	12.5	35.0	59.0	59.0	59.0	125	125	125	125	76.0	78.0	74.0	75.0	83.1	83.1	83.1	83.1	75	75
16	90.1	77.7	87.2	87.2	80.0	86.0	86.0	86.0	79.0	79.0	88.0	88.0	72.0	72.0	16.0	13.0	42.0	60.0	60.0	60.0	120	120	120	120	77.0	78.0	75.0	76.0	83.1	83.1	83.1	83.1	75	75
17	93.2	79.9	91.3	91.3	84.3	80.5	86.0	86.0	78.0	79.1	89.0	89.0	72.0	72.0	17.0	13.0	43.0	60.0	60.0	60.0	115	115	115	115	77.0	78.0	75.0	76.0	87.5	87.5	87.5	87.5	75	75
18	95.5	80.3	90.7	90.7	88.2	84.0	84.0	84.0	79.0	79.5	85.0	85.0	73.0	73.0	15.0	12.0	32.0	59.0	59.0	59.0	110	110	110	110	78.0	77.0	74.0	75.0	88.2	88.2	88.2	88.2	77	77
19	91.5	77.3	88.3	88.3	85.3	83.0	88.0	88.0	79.0	79.7	89.0	89.0	73.0	73.0	16.0	13.0	41.0	69.0	69.0	69.0	115	115	115	115	79.0	78.0	75.0	76.0	93.8	93.8	93.8	93.8	79	79
20	88.4	79.5	85.9	85.9	84.6	82.0	85.0	85.0	79.0	79.5	89.0	89.0	72.0	72.0	17.0	13.0	46.0	60.0	60.0	60.0	120	120	120	120	75.0	76.0	73.0	74.0	89.3	89.3	89.3	89.3	76	76
21	92.6	80.1	87.2	87.2	84.6	82.0	84.0	84.0	80.0	79.5	89.0	89.0	72.0	72.0	17.0	12.5</td																		

METEOROLOGICAL RESULTS OF THE BUKIT MERTAJAM HOSPITAL OBSERVATORY, FOR THE MONTH OF NOVEMBER, 1890.
5° 21' N. Lat., 100° 28' E. Long.

Height of Bar Cistern above Sea Level, 65 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMI-DITY.				CLOUD 0 to 10.		CLOUD & WEATHER INITIALS.							
	Ins.	9 H.	15 H.	21 H.	Ins.	°F.	°F.	°F.	Ins.	°F.	°F.	°F.	Ins.	°F.	°F.	°F.	Ins.	°F.	°F.	°F.	Ins.	%	%	%	%	Rain.	Inches.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.								
1	29.917	29.811	29.903	29.877	81.0	86.0	76.5	79.1	91.5	73.0	18.5	145.0	53.5	69.0	4.0	ENE.	SSE.	SSW.	125	77.5	76.0	74.0	75.8	.882	.764	.807	.817	85	61	88	.78	.33	2	2	8	Cs, k, b.	Pk, b.	Pk, o, r.
2	.899	.781	.848	.842	78.0	85.0	79.0	78.5	89.0	72.0	17.0	140.0	51.0	69.0	3.0	NNE.	ENE.	SSW.	130	74.5	78.0	76.0	76.1	.794	.366	.854	.839	84	72	87	.81	.40	4	3	8	Cs, k, b.	Pk, o, r.	Po, r.
3	.894	.727	.817	.812	80.5	90.0	76.5	80.0	92.0	73.0	19.0	139.0	33.0	68.0	5.0	NNE.	ENE.	SSW.	125	76.5	79.0	74.0	76.5	.845	.843	.807	.831	82	60	88	.76	.42	4	8	6	Pk, b.	Pk, o, r.	Pk, c.
4	.861	.799	.804	.818	78.0	85.0	79.0	78.7	89.0	73.0	16.0	140.0	51.0	70.0	3.0	Calm.	ENE.	SSW.	120	75.0	77.0	76.0	76.0	.829	.821	.858	.836	86	68	87	.89	.40	2	6	10	Ck, b.	Pk, c.	Po, r.
5	.868	.764	.824	.818	80.5	87.5	79.0	79.5	89.5	71.0	18.5	142.0	52.5	68.0	3.0	SSW.	NNW.	ENE.	125	76.5	77.0	76.0	76.0	.845	.787	.822	.818	82	60	84	.75	..	0	4	6	Ck, b.	Ck, c.	Pk, c.
6	.805	.720	.800	.775	78.0	87.5	78.5	78.5	90.0	70.0	20.0	145.0	55.0	67.0	3.0	Calm.	SSW.	ENE.	140	75.5	77.5	76.0	76.3	.839	.794	.865	.832	89	62	89	.80	.30	4	6	8	Cs, k, b.	Pk, c.	Pk, o, r.
7	.819	.763	.814	.798	84.5	89.0	80.0	81.0	92.0	70.5	21.5	148.0	56.0	67.0	2.5	NNW.	ENE.	SSW.	130	77.0	79.0	76.0	77.3	.828	.857	.845	.843	70	63	82	.78	.20	2	2	6	Ck, b.	Ck, c.	Pk, o, r.
8	.871	.771	.839	.827	82.5	89.0	80.0	80.8	91.0	72.0	19.0	150.0	59.0	69.0	3.0	NNW.	ENE.	SSW.	150	78.0	79.0	76.0	77.6	.899	.857	.845	.867	81	63	82	.75	.25	2	4	8	Ck, b.	Ck, c.	Pk, b.
9	.823	.710	.809	.780	81.5	86.5	80.0	82.2	89.0	73.0	16.0	145.0	56.0	69.0	4.0	SSW.	ENE.	NNW.	115	76.0	79.0	75.0	76.6	.825	.891	.802	.839	77	70	78	.75	..	0	2	6	Ck, b.	Ck, c.	Pk, o, r.
10	.907	.806	.854	.855	81.5	89.0	82.0	81.6	91.0	74.0	17.0	150.0	59.0	70.0	4.0	ENE.	SSW.	ENE.	135	77.0	79.0	76.5	77.5	.868	.857	.825	.850	81	63	77	.73	..	0	2	6	b.	Ck, b.	Ck, c.
11	.904	.803	.878	.861	80.0	87.5	80.0	80.1	90.0	73.0	17.0	140.0	50.0	69.0	4.0	Calm.	SSW.	ENE.	96	76.0	79.0	75.0	76.6	.845	.877	.802	.841	82	67	78	.75	.63	2	8	6	Ck, b.	Po, l, t, r.	Pk, c.
12	.937	.797	.866	.866	80.0	87.5	80.6	80.1	90.0	73.0	17.0	138.0	48.0	69.0	4.0	SSW.	NNE.	ENE.	140	76.0	79.0	75.0	76.6	.845	.877	.802	.841	82	67	78	.75	..	0	4	6	Ck, b.	Ck, c.	Ck, c.
13	.947	.820	.895	.887	81.5	87.0	78.0	79.6	90.0	72.0	18.0	149.0	50.0	69.0	3.0	ENE.	NNW.	ENE.	115	77.5	79.0	76.0	77.5	.875	.884	.872	.877	83	69	91	.81	..	2	6	0	Cs, k, b.	Ck, c.	b.
14	.921	.799	.907	.875	83.5	89.0	80.0	81.3	91.0	73.0	18.0	155.0	64.0	69.0	4.0	SSW.	NNW.	ENE.	135	78.0	79.0	76.0	77.6	.886	.857	.845	.862	77	63	82	.74	..	0	6	0	Ck, c.	Ck, c.	b.
15	.917	.748	.862	.842	79.5	86.0	79.5	78.5	90.0	73.0	17.0	148.0	58.0	69.0	4.0	NNE.	SSW.	NNE.	160	74.5	77.5	75.0	75.6	.774	.814	.809	.799	78	66	80	.74	.16	4	4	8	Cs, k, b.	Pk, b.	Pk, o, r.
16	.923	.835	.901	.886	79.5	84.0	79.0	78.8	90.0	73.0	17.0	146.0	56.0	69.0	4.0	NNE.	SSW.	ENE.	135	76.0	77.0	75.0	76.0	.852	.834	.816	.834	85	72	82	.79	..	4	6	0	Cs, k, b.	Pk, c.	b.
17	.905	.817	.857	.859	78.5	86.0	79.0	79.0	89.0	72.5	16.5	140.0	51.0	68.0	4.5	Calm.	SSW.	ENE.	100	75.5	77.0	75.0	75.8	.829	.897	.816	.817	85	65	82	.77	.05	2	6	8	Ck, b.	Ck, c.	Pk, o, r.
18	.899	.753	.854	.835	82.0	87.5	80.0	80.8	90.0	74.0	16.0	148.0	58.0	70.0	4.0	Calm.	NNE.	SSW.	145	77.0	79.0	76.0	77.3	.862	.877	.845	.861	79	67	82	.76	..	0	4	6	Ck, b.	Ck, c.	Ck, c.
19	.839	.745	.824	.819	81.0	87.0	79.0	80.0	91.0	73.0	18.0	145.0	54.0	70.0	3.0	Calm.	NNW.	NNE.	135	76.0	78.0	75.0	76.3	.831	.838	.816	.828	78	65	82	.75	.10	0	6	0	b.	Pk, c, r.	Pk, c.
20	.877	.796	.804	.825	82.0	85.0	78.0	79.2	90.0	72.0	18.0	148.0	58.0	69.0	3.0	Calm.	NNW.	ENE.	140	76.0	77.0	75.0	76.0	.818	.821	.829	.822	75	65	86	.76	.15	4	10	6	Pk, b.	Pk, o, l, t, r.	Pk, c.
21	.829	.676	.814																																			

METEOROLOGICAL RESULTS OF THE BUKIT MERTAJAM HOSPITAL OBSERVATORY, FOR THE MONTH OF DECEMBER, 1890.
5° 21' N. Lat., 100° 28' 38" E. Long.
Height of Bar Cistern above Sea Level, 43 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD 0 TO 100 FT.			CLOUD & WEATHER INITIALS.							
	Ins.		Ins.		Ins.		Ins.		°F.		°F.		°F.		°F.		°F.		°F.		% % % %		Rain Inch.													
		9 H.	15 H.	21 H.		9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	After 3 P.M.										
1	29.864	29.802	29.854	29.840	83.5	89.0	77.5	83.3	90.5	75.0	15.5	140.0	50.0	73.5	15.5	SW.	SW.	SW.	6	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	%	%	%	%						
2	.873	.755	.865	.831	83.0	86.0	77.5	82.1	89.0	73.5	16.5	132.0	43.0	72.5	1.0	NW.	SSE.	NW.	6	79.0	80.0	77.0	78.5	.932	.903	.922	.919	.81	.66	.98	.81	.25	C, e.	Pk, c.	Pc, c.	
3	.861	.742	.850	.817	83.0	85.0	78.0	82.0	89.5	73.0	16.5	138.0	48.5	72.0	1.0	Calm.	SW.	Calm.	3	78.0	80.0	78.0	78.0	.893	.944	.879	.905	.79	.79	.93	.82	.40	Ck, b.	Pc, c.	Ck, c.	b.
4	.879	.750	.871	.833	83.0	87.0	77.0	82.0	91.0	73.5	17.5	137.0	46.0	73.0	0.5	SW.	SW.	Calm.	12	78.0	80.0	76.0	78.0	.893	.931	.886	.903	.79	.72	.95	.82		Cs, b.	Ck, c.	C, b.	
5	.842	.735	.793	.790	80.0	85.0	75.0	80.0	90.0	72.5	17.5	130.0	40.0	71.5	1.0	SW.	Calm.	SW.	8	79.0	81.0	76.0	78.6	.979	1.005	.884	.890	.66	.83	.95	.91		Cs, b.	Ck, c.	Cs, b.	
6	.922	.778	.796	.832	80.0	85.0	75.0	80.0	90.0	72.5	17.5	130.0	40.0	71.5	1.0	Calm.	SW.	Calm.	7	79.0	80.0	74.5	77.5	.979	.958	.848	.928	.96	.79	.98	.91		Cs, b.	Ck, c.	Cs, b.	
7	.871	.737	.857	.821	83.5	84.0	79.0	82.0	88.5	74.5	14.0	138.0	49.5	74.0	0.5	Calm.	Calm.	Calm.	..	78.5	80.0	78.0	78.8	.909	.971	.947	.942	.79	.83	.95	.85		Ck, c.	Pk, c.	Cs, b.	
8	.922	.778	.796	.832	80.0	85.0	75.0	80.0	90.0	72.5	17.5	130.0	40.0	71.5	1.0	Calm.	SW.	Calm.	7	79.0	80.0	74.5	77.8	.979	.958	.848	.928	.96	.79	.98	.91		Ck, c.	Pk, c.	Cs, b.	
9	.899	.742	.865	.835	83.0	85.0	79.0	82.0	89.0	73.0	16.0	145.0	56.0	72.5	0.5	Calm.	SW.	Calm.	5	78.0	80.0	78.0	78.5	.893	.958	.947	.932	.79	.79	.95	.84		C, b.	Cs, c.	Cs, c.	
10	.881	.732	.853	.822	80.0	80.0	76.0	78.5	85.5	74.0	11.5	124.0	38.5	72.5	1.0	Calm.	SW.	Calm.	6	76.5	78.0	75.5	76.6	.867	.933	.878	.892	.85	.91	.98	.91		C, b.	Cs, b.	Cs, b.	
11	.917	.782	.869	.856	81.0	80.5	78.0	79.5	87.0	74.0	13.0	123.0	36.0	73.0	1.0	Calm.	Calm.	Calm.	..	78.0	79.0	77.0	78.0	.920	.972	.916	.936	.87	.93	.95	.91		C, c.	Pk, o.	Cs, b.	
12	.899	.785	.867	.850	84.0	90.0	78.0	84.0	91.0	74.5	16.5	138.0	47.0	73.0	1.5	Calm.	WSW.	Calm.	4	78.0	80.0	77.0	78.3	.879	.890	.916	.895	.75	.63	.95	.77		Cs, b.	Ck, c.	Pk, c.	
13	.917	.787	.867	.857	82.0	84.0	77.5	81.0	91.0	73.0	17.0	130.0	40.0	72.0	1.0	Calm.	SW.	SW.	14	78.0	79.0	76.0	77.5	.906	.925	.879	.903	.83	.79	.93	.85		Ck, c.	Cs, b.	Ck, c.	
14	.906	.787	.860	.849	84.0	87.5	78.0	83.1	91.0	74.5	16.5	139.0	48.0	74.0	0.5	Calm.	N.	Calm.	7	78.5	80.0	76.5	78.3	.902	.924	.894	.906	.77	.71	.93	.80		Cs, b.	Ck, c.	Cs, b.	
15	.902	.754	.842	.832	84.0	87.5	79.0	83.5	91.0	73.5	17.5	137.0	46.0	72.5	1.0	Calm.	NNW.	Calm.	4	78.5	84.0	77.0	78.8	.902	.971	.902	.925	.77	.74	.91	.80		Cs, b.	Ck, c.	Cs, b.	
16	.895	.769	.860	.841	83.0	89.0	78.0	83.3	91.0	74.0	17.0	141.0	50.0	73.5	0.5	Calm.	W.	NW.	9	79.0	80.5	76.5	78.6	.938	.927	.894	.919	.83	.68	.93	.81		Ck, c.	Pk, c.	Cs, c.	
17	.856	.770	.851	.825	84.5	81.5	77.0	81.0	85.5	73.5	15.0	132.0	44.0	73.0	0.5	SW.	Calm.	NNE.	11.5	78.0	79.5	76.0	77.8	.872	1.015	.886	.924	.74	.95	.95	.86		Cs, b.	Ck, c.	Cs, b.	
18	.851	.761	.841	.817	75.5	81.0	77.0	77.8	81.5	72.5	9.0	96.0	14.5	71.5	1.0	NNW.	Calm.	Calm.	15	74.5	77.5	74.0	75.3	.842	.911	.804	.851	.95	.89	.86	.90		Ck, c.	Cs, b.	Cs, b.	
19	.835	.755	.853	.815	86.0	85.5	78.0	83.1	90.5	73.5	17.0	112.0	21.5	72.0	1.0	Calm.	SWW.	Calm.	10.6	79.5	79.0	77.0	78.5	.920	.904	.916	.851	.95	.89	.86	.90		C, o.	Pk, o.	Cs, b.	
20	.870	.788	.840	.832	83.0	86.5	79.5	83.0	91.5	72.0	19.5	146.5	55.0	71.0	1.0	SWS.	Calm.	Calm.	8.2	78.0	78.5	76.0	77.5	.920	.868	.852	.868	.79	.68	.85	.77		Ck, c.	Cs, b.	Ck, c.	
21	.879	.781																																		

METEOROLOGICAL RESULTS OF THE MALACCA HOSPITAL OBSERVATORY, FOR THE MONTH OF JANUARY, 1890.
12°14' N. Lat., 102°14 E. Long.
Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°			TEMPERATURE OF AIR.			TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMI-DITY.			CLOUD 0 to 10			CLOUD & WEATHER INITIALS.														
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Range.	Sun.	Difference Sun and Shade.	Grass.	Difference Sun and Shade.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.								
1	29.789	29.797	29.804	29.796	82.0	83.0	82.0	80.7	89.0	76.0	13.0	150.0	61.0	73.0	3.0	NE.	W.	E.	166	80.0	80.0	81.0	80.3	.998	.985	1.046	.975	91	87	96	91	..	8	4	8	P, c.	Cs, b.	P, c.	
2	.797	.801	.824	.807	80.0	86.0	82.0	80.5	89.0	74.0	15.0	165.0	76.0	72.0	2.0	NE.	W.	E.	166	79.0	82.0	79.0	80.0	.979	1.040	1.040	.952	.990	96	84	87	89	..	0	4	8	b.	Cs, b.	P, c.
3	.812	.792	.794	.799	82.0	81.0	82.0	80.5	89.0	77.0	12.0	150.0	61.0	72.0	5.0	NE.	W.	E.	174	81.0	80.0	81.0	80.7	1.046	1.012	1.046	1.034	96	96	96	96	..	0	4	8	b.	Cs, b.	P, c.	
4	.802	.802	.809	.804	80.0	81.0	79.5	88.0	76.0	12.0	151.0	63.0	73.0	3.0	NE.	N.	W.	159	80.0	81.0	80.0	80.3	1.026	1.060	1.012	1.032	100	100	96	98	..	0	4	8	b.	Cs, b.	P, c.		
5	.923	.812	.824	.856	77.0	83.0	81.0	79.2	88.0	76.0	12.0	147.0	59.0	73.0	3.0	NE.	N.	N.	233	75.0	79.0	79.0	77.3	.843	.938	.966	.915	91	83	91	88	..	0	4	8	b.	Cs, b.	P, c.	
6	.807	.804	.827	.812	82.0	80.0	80.0	78.7	84.0	73.0	11.0	159.0	66.0	72.0	1.0	NE.	N.	N.	369	80.0	79.0	75.0	78.0	.998	.979	.802	.926	91	96	78	88	..	0	4	8	Cs, b.	Cs, b.	P, c.	
7	.807	.799	.829	.811	80.0	84.0	80.0	80.0	88.0	76.0	12.0	156.0	68.0	72.0	4.0	NE.	N.	N.	216	79.0	80.0	79.0	79.3	.979	.971	.979	.976	96	83	96	91	..	4	0	8	Cs, b.	Cs, b.	P, c.	
8	.799	.791	.817	.802	82.0	86.0	80.0	80.7	89.0	75.0	14.0	160.0	71.0	73.0	2.0	NE.	N.	N.	207	79.0	80.0	75.0	78.0	.952	.944	.802	.899	87	76	78	80	..	0	6	0	b.	Cs, b.	P, c.	
9	.802	.804	.807	.804	81.0	82.0	80.0	79.7	89.0	76.0	13.0	150.0	61.0	72.0	4.0	NE.	N.	N.	190	78.0	79.0	76.0	77.7	.920	.952	.845	.905	87	87	82	85	..	0	4	8	b.	P, c.	b.	
10	.797	.799	.809	.801	78.0	80.0	82.0	78.7	89.0	75.0	14.0	151.0	62.0	73.0	2.0	NE.	N.	N.	184	76.0	77.0	79.0	77.3	.872	.889	.952	.904	91	87	87	88	..	8	4	8	P, c.	Cs, b.	P, c.	
11	.784	.792	.799	.791	78.0	81.0	86.0	80.2	88.0	76.0	12.0	153.0	65.0	72.0	4.0	NE.	N.	E.	190	75.0	80.0	80.0	78.3	.829	1.012	.944	.928	86	96	76	86	..	0	4	8	b.	Cs, b.	P, c.	
12	.807	.807	.794	.797	80.0	79.0	84.0	79.7	88.0	76.0	12.0	152.0	64.0	73.0	3.0	NE.	N.	E.	172	80.0	77.0	80.0	79.0	1.026	.902	.971	.966	100	91	183	91	..	4	8	8	Cs, b.	P, c.	P, c.	
13	.794	.796	.812	.804	80.0	80.0	82.0	79.7	86.0	77.0	9.0	144.0	58.0	73.0	4.0	NNE.	N.	N.	179	78.0	79.0	82.0	79.3	.933	.979	1.095	1.002	91	96	00	95	..	0	4	8	b.	Cs, b.	P, c.	
14	.802	.804	.824	.807	78.0	85.0	77.0	79.0	90.0	76.0	14.0	160.0	70.0	72.0	4.0	NNE.	N.	N.	179	77.0	82.0	76.0	78.3	.916	1.054	.886	.952	95	87	95	92	..	0	4	8	b.	Cs, b.	P, c.	
15	.812	.804	.799	.805	77.0	83.0	80.0	78.5	86.0	74.0	12.0	151.0	65.0	72.0	2.0	NNE.	W.	N.	191	75.0	80.0	78.0	77.3	.843	.985	.933	.920	91	87	91	89	..	6	4	8	P, c.	Cs, b.	P, c.	
16	.787	.791	.794	.795	83.0	82.0	81.0	80.2	87.0	75.0	12.0	150.0	63.0	74.0	1.0	NNE.	W.	E.	181	77.0	78.0	79.0	78.0	.848	.906	.966	.906	75	83	91	83	..	10	4	8	P, c.	Cs, b.	P, c.	
17	.784	.796	.807	.794	80.0	85.0	81.0	80.0	86.0	74.0	12.0	140.0	54.0	72.0	2.0	NNE.	SSW.	E.	178	79.0	80.0	79.0	79.3	.979	.958	.966	.976	96	79	91	88	..	0	4	8	P, o.	Cs, b.	P, c.	
18	.797	.796	.807	.800	80.0	85.0	83.0	81.0	87.0	76.0	11.0	144.0	57.0	72.0	4.0	NNE.	SSW.	E.	168	78.0	79.0	78.0	78.3	.933	.911	.893	.915	91	76	79	82	..	0	4	8	b.	Cs, b.	P, c.	
19	.817	.789	.797	.803	77.0	85.0	83.0	80.0	88.0	75.0	13.0	150.0	62.0	73.0	2.0	NNE.	NE.	N.	193	76.0	80.0	79.0	78.3	.886	.958	.938	.924	95	79	83	85	..	0	4	8	b.	Cs, b.	P, c.	
20	.794	.804	.807	.796	82.0	80.0	86.0	80.0	89.0	76.0	13.0	150.0	62.0	73.0	2.0	NNE.	NE.	N.	184	79.0	80.0	79.0	79.3	.952	.944	.979	.958	87	76	96	86	..	0	4	8	b.	Cs, b.	P, c.	
21	.799	.786	.792	.798	83.0	83.0	81.0	80.5	87.0	75.0	12.0	150.0	63.0	73.0	2.0	N.	SE.	N.	187	79.0																			

METEOROLOGICAL RESULTS OF THE MALACCA, OBSERVATORY, FOR THE MONTH OF FEBRUARY, 1890.
 °12'14, N. Lat., 102°-14 E. Long.
 Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°			TEMPERATURE OF AIR.			TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMI. DITY.			RAIN. Inches.			CLOUD & WEATHER INITIALS.								
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Grass.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	After 3 P.M.			
1	29.874	29.863	29.907	29.881	84.0	88.0	81.0	81.7	86.0	74.0	12.0	160.0	74.0	72.0	2.0	NE.	ENE.	E.	234	80.0	81.0	79.0	80.0	.971	.965	.966	.967	83	73	91	82	...	4 0 0
2	79.801	79.794	79.798	79.84.0	85.0	86.0	82.2	82.0	89.0	74.0	15.0	160.0	71.0	72.0	2.0	NE.	WSW.	E.	216	79.0	80.0	81.0	80.0	.925	.958	.992	.958	79	79	80	79	...	0 4 4
3	88.779	79.787	82.824	84.0	85.0	85.0	82.0	88.0	74.0	14.0	161.0	73.0	73.0	1.0	NE.	WSW.	E.	194	79.0	80.0	79.0	79.3	.925	.958	.911	.931	79	79	76	78	...	0 0 4	
4	88.780	80.817	82.830	82.0	82.0	81.0	80.2	88.0	76.0	12.0	160.0	72.0	73.0	3.0	NE.	WSW.	E.	197	79.0	80.0	79.0	79.3	.952	.998	.966	.972	87	91	91	89	...	0 0 6	
5	81.286	81.812	83.830	81.0	80.5	86.0	77.0	9.0	161.0	75.0	72.0	5.0	NE.	N.	SE.	180	79.0	80.0	79.0	79.3	.966	.985	.966	.972	91	87	91	89	...	0 4 6			
6	87.780	80.794	82.825	82.0	88.0	85.0	82.5	88.0	75.0	13.0	150.0	62.0	71.0	4.0	N.	NNE.	SW.	211	79.0	85.0	80.0	81.3	.952	1.165	.958	1.025	87	88	79	84	...	0 4 6	
7	78.979	79.792	79.790	82.0	87.0	85.0	82.2	88.0	75.0	13.0	158.0	70.0	73.0	2.0	NNE.	WSW.	SE.	198	79.0	80.0	80.0	79.7	.952	.931	.958	.947	87	72	79	77	...	0 0 6	
8	78.779.6	78.787	79.790	82.0	86.0	84.0	81.7	89.0	75.0	14.0	152.0	63.0	72.0	3.0	NNE.	WSW.	E.	172	79.0	81.0	80.0	80.0	.952	.992	.971	.971	87	80	83	83	...	4 4 6	
9	79.480.4	78.787	79.795	83.0	85.0	83.0	81.7	87.0	76.0	11.0	160.0	73.0	73.0	3.0	NNE.	WSW.	E.	194	78.0	80.0	75.0	77.7	.893	.958	.938	.929	79	79	83	80	...	0 6 6	
10	79.279.2	81.819	80.800	88.0	81.0	81.2	88.0	76.0	12.0	160.0	72.0	72.0	4.0	NNE.	NNW.	E.	182	79.0	81.0	79.0	79.7	.979	.965	.966	.970	96	73	91	86	...	0 4 10		
11	82.982.4	79.799	81.817	80.0	84.0	82.0	80.2	88.0	75.0	13.0	153.0	65.0	72.0	3.0	NNE.	NNW.	ESE.	170	79.0	80.0	79.0	79.3	.979	.971	.952	.967	96	83	87	88	.55	0 4 6	
12	89.281.4	79.794	83.832	79.0	81.0	80.0	79.0	86.0	76.0	10.0	141.0	55.0	73.0	3.0	NNE.	NNW.	ESE.	214	76.0	78.0	79.0	77.7	.858	.920	.979	.919	87	87	96	90	2.15	6 10 10	
13	90.080.2	81.817	83.831	80.0	82.0	81.0	79.5	88.0	75.0	13.0	155.0	67.0	72.0	3.0	NE.	W.	ESE.	156	79.0	80.0	79.0	79.3	.979	.989	.966	.978	96	91	91	92	...	6 4 6	
14	80.678.9	77.779	79.791	81.0	85.0	80.0	80.2	88.0	75.0	13.0	160.0	72.0	70.0	5.0	NE.	W.	ESE.	182	79.0	81.0	79.0	79.7	.966	1.005	.979	.983	91	83	96	90	.60	4 4 6	
15	82.278.7	79.799	80.280.2	77.0	80.0	81.0	78.5	87.0	76.0	11.0	149.0	62.0	70.0	6.0	ENE.	SW.	ESE.	172	75.0	79.0	79.0	77.7	.843	.979	.966	.929	91	96	91	92	...	10 4 6	
16	79.780.2	81.819	80.680.6	81.0	83.0	82.0	80.2	86.0	75.0	11.0	140.0	54.0	72.0	3.6	E.	SW.	E.	179	78.0	79.0	80.0	79.0	.920	.938	.998	.952	87	83	91	87	...	0 0 4	
17	87.079.6	78.789	81.818	82.0	85.0	82.0	80.5	86.0	73.0	12.0	150.0	65.0	70.0	3.0	E.	WSW.	E.	189	80.0	80.0	75.0	78.3	.998	.958	.952	.969	91	79	87	85	...	4 0 6	
18	79.279.6	78.789	79.792	83.0	86.0	81.0	81.5	88.0	76.0	12.0	159.0	71.0	73.0	3.0	E.	W.	SW.	188	79.0	83.0	79.0	80.3	.938	1.090	.966	.998	83	88	91	87	.31	4 6 6	
19	79.779.9	81.812	80.280.2	81.0	84.0	83.0	80.7	89.0	75.0	14.0	156.0	67.0	73.0	2.0	N.	W.	SSW.	182	79.0	80.0	81.0	80.0	.966	.971	1.032	.993	91	83	91	88	...	0 4 6	
20	82.778.6	81.819	81.081.0	82.0	86.0	81.0	81.0	85.0	75.0	10.0	150.0	65.0	70.0	5.0	N.	W.	SE.	161	79.0	80.0	79.0	79.3	.952	.944	.966	.950	87	76	91	84	.60	0 4 6	
21	80.979.1	87.282.4	83.083.0	86.0	82.0	82.0	86.0	77.0	9.0	160.0	74.0	73.0	4.0	NE.	WSW.	E.	163	79.0	81.0	81.0	80.3	.938	.992	1.032	.987	83	90	91	84	...	4 0 10		
22	80.780.9	81.817	81.181.1	81.0	84.0	83.0	81.7	88.0	79.0	9.0	165.0	67.0	72.0	7.0	NE.	WSW.	E.	157	79.0	80.0	81.0	80.0	.966	.971	1.032	.989	91	83	91	88	...	0 0 6	
23	79.479.6	86.181.7	81.781.7	80.0	85.0	86.0	81.2	86.0	74.0	12.0	151.0	65.0	71.0	3.0</td																			

METEOROLOGICAL RESULTS OF THE MALACCA HOSPITAL OBSERVATORY, FOR THE MONTH OF MARCH, 1890.
 • 12°14' N. Lat., 102°14' E. Long.

• Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°			TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD 0 to 10.			CLOUD & WEATHER INITIALS.												
	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Maximum.	Minimum.	Range.	Sun.	Difference Sun and Shade.	Grass.	9 H.	15 H.	Total Miles.	Velocity.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.						
1	29.867	29.824	29.809	29.833	80.0	84.0	82.0	80.0	88.0	74.0	14.0	160.0	72.0	73.0	NE.	W.	ESE.	160	78.0	81.0	79.0	79.3	.933	1.019	.952	.968	91	87	87	88	...	0	4	6	b.	Cs, b.	P, c.	
2	.797	.809	.809	.826	83.0	86.0	81.0	81.5	89.0	76.0	13.0	161.0	72.0	71.0	NE.	W.	ESE.	171	80.0	82.0	79.0	80.3	.985	1.040	.966	.997	87	84	91	87	...	0	4	4	b.	Cs, b.	Cs, b.	
3	.870	.822	.806	.832	81.0	85.0	86.0	82.0	89.0	76.0	13.0	159.0	70.0	73.0	NE.	W..	ESE.	137	79.0	81.0	83.0	81.0	.966	1.005	1.090	1.020	91	83	88	87	...	0	0	6	b.	P, c.	b.	
4	.827	.807	.824	.819	80.0	82.0	79.0	78.7	87.0	74.0	13.0	149.0	62.0	70.0	NE.	N.	E.	197	78.0	79.0	77.0	78.0	.933	.952	.902	.929	91	87	91	89	.72	0	4	10	b.	Cs, b.	Pc, o.r.	
5	.862	.809	.824	.831	81.0	83.0	84.0	80.5	88.0	74.0	14.0	161.0	73.0	73.0	1.0	NE.	N.	E.	197	80.0	79.0	81.0	80.0	1.012	.938	1.019	1.023	96	83	87	88	...	0	4	6	b.	Cs, b.	P, c.
6	.870	.812	.824	.835	81.0	80.0	79.0	78.5	87.0	74.0	13.0	160.0	73.0	72.0	2.0	NE.	W.	E.	191	79.0	78.0	77.0	78.0	.966	1.012	.902	.960	91	91	91	91	...	0	4	6	b.	Cs, b.	P, c.
7	.804	.809	.870	.827	81.0	83.0	79.0	78.2	87.0	74.0	13.0	150.0	63.0	73.0	1.0	NE.	N.	E.	188	79.0	79.0	77.0	78.3	.966	.938	.902	.935	91	83	91	88	...	0	4	6	Cs, b.	P, c.	b.
8	.792	.794	.799	.795	85.0	80.0	81.0	80.0	83.0	74.0	14.0	159.0	71.0	72.0	2.0	NE.	N.	N.	218	81.0	78.0	79.0	79.3	.966	.933	.966	.968	83	91	91	88	1.35	4	0	6	Cs, b.	Pc, o.r.	P, c.
9	.813	.799	.809	.807	80.0	83.0	79.0	79.0	87.0	74.0	13.0	150.0	63.0	73.0	1.0	NE.	N.	N.	222	78.0	80.0	77.0	78.3	1.005	.985	.902	.940	91	87	91	89	...	4	4	6	Cs, b.	Cs, b.	P, c.
10	.792	.807	.799	.799	83.0	85.0	84.0	81.5	88.0	74.0	14.0	160.0	72.0	73.0	1.0	NE.	W.	N.	178	80.0	81.0	81.0	80.7	.933	1.005	1.019	1.003	87	83	87	85	.45	4	6	10	Cs, b.	Pc, o.r.	P, c.
11	.804	.809	.807	.806	80.3	82.0	82.0	79.7	86.0	75.0	11.0	161.0	75.0	72.0	3.0	NE.	N.	N.	165	78.0	79.0	79.0	78.7	.985	.952	.952	.949	91	87	87	88	...	4	10	6	Cs, b.	Pc, o.r.	P, c.
12	.794	.796	.812	.800	83.0	85.0	80.0	81.2	88.0	77.0	11.0	165.0	77.0	73.0	4.0	NE.	N.	E.	167	79.0	80.0	79.0	79.3	.933	.958	.979	.958	83	79	96	86	...	4	4	6	Cs, b.	Cs, b.	P, c.
13	.812	.874	.824	.836	85.0	87.0	80.0	81.7	88.0	75.0	13.0	159.0	71.0	72.0	3.0	NE.	N.	E.	161	81.0	82.0	79.0	80.7	.938	1.027	.979	1.003	83	80	96	86	...	4	0	6	Cs, b.	P, c.	b.
14	.794	.791	.786	.790	84.0	85.0	86.0	82.7	87.0	76.0	11.0	160.0	73.0	72.0	4.0	NE.	E.	E.	155	80.0	83.0	82.0	81.7	1.005	1.103	1.040	1.038	83	91	84	86	...	0	0	6	b.	P, c.	b.
15	.782	.771	.794	.782	81.0	87.0	86.0	82.5	88.0	76.0	12.0	155.0	67.0	72.0	4.0	NNE.	E.	E.	178	79.0	83.0	81.0	81.0	.971	1.076	.992	1.011	91	84	80	85	...	0	4	6	Cs, b.	P, c.	b.
16	.812	.867	.799	.826	85.0	80.0	81.0	80.0	89.0	76.0	13.0	161.0	72.0	73.0	3.0	ENE.	N.	ENE.	161	81.0	78.0	79.0	79.3	.966	.933	.966	.968	83	91	91	88	...	0	0	6	b.	P, c.	b.
17	.819	.856	.796	.823	84.0	88.0	85.0	83.0	87.0	75.0	12.0	160.0	73.0	72.0	3.0	ENE.	N.	ENE.	195	78.0	82.0	80.0	80.0	1.005	1.013	.958	.950	75	76	79	76	...	4	4	6	Cs, b.	Cs, b.	P, c.
18	.789	.794	.837	.806	85.0	84.0	84.0	82.2	87.0	76.0	11.0	161.0	74.0	72.0	4.0	ENE.	N.	ENE.	174	81.0	80.0	82.0	81.0	.879	.971	1.067	1.014	83	83	91	85	.66	0	4	10	b.	Cs, b.	Pe, o.r.
19	.787	.789	.807	.794	83.0	80.0	84.0	50.7	89.0	76.0	13.0	150.0	61.0	71.0	5.0	ENE.	N.	ENE.	172	79.0	79.0	82.0	80.0	1.005	.979	1.067	.991	83	96	91	90	...	0	4	6	b.	Cs, b.	P, c.
20	.799	.804	.787	.796	83.0	85.0	83.0	88.5	88.0	75.0	13.0	152.0	64.0	72.0	3.0	ENE.	N.	ENE.	169	80.0	81.0	81.0	80.7	.938	1.005	1.032	1.007	87	83	91	87	...	0	4	10	b.	Cs, b.	Pe, o.r.
21	.792	.794	.804	.796	81.0	83.0	86.0	82.7	88.0	76.0	12.0	156.0	68.0	70.0	6.																							

METEOROLOGICAL RESULTS OF THE MALACCA OBSERVATORY, FOR THE MONTH OF APRIL, 1890.

12°14' N. Lat., 102°14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.		CLOUD 0 TO 10		CLOUD & WEATHER INITIALS.											
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	Mean.	°F.	°F.	°F.	Mean.	%	Range.	Sun.	Difference Sun and Shade.	Grass.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	Rain Inch.	Cloud 0 to 10	9 A.M. to 3 P.M.	After 3 P.M.								
1	Ins. 29·807	Ins. 29·874	Ins. 29·842	Ins. 29·841	82·0	81·0	85·0	80·7	83·0	75·0	13·0	160·0	72·0	72·0	3·0	NNE.	SW.	SSW.	183·4	78·0	77·0	82·0	79·0	906	1·054	1·945	53	53	57	84	...	0	4	6	b.	Cs, b.	P, c.	
2	·902	·799	·809	·836	83·0	86·0	84·0	82·2	88·0	76·0	12·0	161·0	73·0	73·0	3·0	NNE.	SW.	E.	155·0	80·0	82·0	80·0	80·7	935	1·040	1·971	87	87	84	83	...	0	0	10	b.	b.	Pc, o, r.	
3	·794	·804	·860	·819	84·0	85·0	80·0	82·5	85·0	77·0	8·0	165·0	80·0	71·0	6·0	NNE.	SW.	E.	160·9	80·0	81·0	79·0	80·0	971	1·005	1·979	83	83	96	87	...	0	0	6	b.	b.	P, c.	
4	·822	·799	·864	·828	81·0	83·0	81·0	80·0	87·0	75·0	12·0	165·0	78·0	72·0	3·0	NE.	SW.	E.	158·3	78·0	81·0	78·0	79·0	920	1·032	1·920	57	57	91	87	88	50	0	10	8	b.	P, c.	P, c.
5	·897	·784	·806	·829	83·0	86·0	85·0	83·0	86·0	78·0	8·0	160·0	74·0	73·0	5·0	NE.	WSW.	E.	169·5	81·0	82·0	81·0	81·3	1·032	1·040	1·005	1·025	91	84	83	86	...	0	0	8	b.	b.	Pc, o.
6	·774	·797	·817	·796	87·0	82·0	84·0	82·0	86·0	75·0	11·0	155·0	69·0	72·0	3·0	NE.	WSW.	W.	178·9	80·0	79·0	79·0	79·7	931	1·952	1·925	72	87	79	79	...	0	4	8	b.	Cs, b.	Pc, o.	
7	·866	·797	·809	·824	85·0	82·0	82·0	81·7	87·0	78·0	9·0	162·0	75·0	70·0	8·0	NE.	WSW.	W.	172·8	82·0	80·0	79·0	80·3	1·064	1·993	1·952	1·001	87	91	87	88	...	0	4	6	b.	Cs, b.	P, c.
8	·784	·791	·804	·793	84·0	85·0	85·0	82·2	89·0	75·0	14·0	164·0	75·0	72·0	3·0	NE.	WSW.	W.	176·3	81·0	81·0	80·0	80·7	1·019	1·005	1·958	1·994	87	83	79	83	...	0	0	6	b.	P, c.	P, c.
9	·866	·784	·804	·818	85·0	85·0	81·0	81·5	86·0	75·0	11·0	158·0	72·0	70·0	5·0	NE.	WSW.	W.	165·8	82·0	81·0	79·0	80·1	1·054	1·005	1·966	1·008	87	83	91	87	...	0	4	10	b.	Cs, b.	Pc, o, r.
10	·812	·859	·794	·821	83·0	85·0	84·0	82·2	87·0	77·0	10·0	160·0	73·0	72·0	5·0	NE.	W.	S.	163·8	80·0	82·0	82·0	81·3	·985	1·054	1·067	1·035	87	87	91	88	...	0	6	6	b.	P, c.	P, c.
11	·801	·804	·783	·798	84·0	84·0	83·0	81·7	87·0	76·0	11·0	161·0	74·0	71·0	5·0	NE.	W.	S.	169·3	81·0	82·0	80·0	81·0	1·019	1·067	1·965	1·023	87	91	87	88	...	0	0	6	b.	P, c.	P, c.
12	·789	·771	·869	·809	84·0	87·0	81·0	82·2	86·0	71·0	9·0	158·0	72·0	70·0	7·0	NE.	W.	S.	156·1	80·0	83·0	79·0	80·7	·971	1·076	1·966	1·004	83	84	91	86	...	0	4	6	b.	Cs, b.	P, c.
13	·824	·799	·817	·803	83·0	85·0	81·0	81·5	86·0	77·0	9·0	164·0	78·0	72·0	5·0	NNE.	WSW.	S.	163·5	80·0	82·0	78·0	80·0	1·012	1·054	1·920	1·953	96	87	87	90	...	0	0	6	F, c.	b.	P, c.
14	·792	·801	·817	·806	82·0	82·0	82·0	81·5	89·0	76·0	13·0	155·0	65·0	65·0	4·0	NNE.	WSW.	S.	158·2	79·0	80·0	78·0	79·0	·938	1·958	1·938	1·83	79	87	83	83	...	4	0	6	Cs, b.	b.	P, c.
15	·797	·807	·816	·806	82·0	82·0	82·0	81·5	86·0	76·0	13·0	155·0	67·0	72·0	3·0	NNE.	S.	E.	170·7	79·0	80·0	82·0	80·3	·952	1·998	1·010	1·966	87	91	84	87	...	0	0	6	b.	b.	P, c.
16	·799	·796	·786	·793	86·0	87·0	85·0	83·7	87·0	77·0	10·0	160·0	73·0	73·0	4·0	NNE.	S.	E.	141·6	82·0	84·0	82·0	82·7	1·054	1·127	1·054	1·078	57	88	87	87	...	0	4	6	b.	Cs, b.	P, c.
17	·804	·814	·877	·831	85·0	87·0	82·0	81·7	85·0	75·0	12·0	155·0	67·0	72·0	3·0	N.	S.	SSW.	149·2	82·0	83·0	80·0	81·7	1·054	1·076	1·998	1·042	87	84	91	85	...	6	0	6	P, c.	b.	P, c.
18	·784	·829	·812	·808	84·0	82·0	82·0	80·7	87·0	77·0	10·0	157·0	70·0	72·0	5·0	N.	SW.	SSW.	150·7	81·0	78·0	77·0	78·7	1·019	1·906	1·889	1·938	87	83	87	88	1·28	0	4	10	b.	Cs, b.	Pc, o, r.
19	·804	·779	·807	·796	81·0	84·0	84·0	82·0	88·0	74·0	14·0	150·0	62·0	70·0	4·0	E.	SW.	SSW.	152·9	78·0	81·0	80·0	79·7	·920	1·019	1·995	1·979	87	87	91	90	...	0	4	6	b.	Cs, b.	P, c.
20	·786	·791	·806	·794	85·0	87·0	85·0	83·0	89·0	75·0	14·0	152·0	63·0	72·0	3·0	E.	W.	SSW.	170·1	81·0	85·0	82·0	82·7	1·032	1·179	1·054	1·088	31	92	87	85							

METEOROLOGICAL RESULTS OF THE MALACCA OBSERVATORY, FOR THE MONTH OF MAY, 1890.

12°14' N. Lat., 102°14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.			RELATIV HUMI DITY.			RAIN INCH. ES.	CLOUD 0 TO 10	CLOUD & WEATHER INITIALS.								
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	Mean.	°F.	°F.	°F.	Mean.	%	Difference Sun and Shade.	Grass.	%	Difference Sun and Radiation.	9 H.	15 H.	Total Miles.	9 H.	15 H.	21 H.	Mean.	%	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	After 3 P.M.					
1	Ins. 29·784	Ins. 29·814	Ins. 29·800	Ins. 29·799	80·0	84·0	80·0	81·3	87·0	73·0	14·0	170·0	83·0	70·0	3·0	NNE.	SW.	NNE.	213·1	78·0	82·0	75·0	79·3	·933	·671	·933	·845	·0191	·9191	·91	...	4·0	6	Cs, b.	b.	P, c.
2	·799	·820	·797	·805	81·0	86·0	79·0	82·0	88·0	71·0	17·0	172·0	84·0	76·0	1·0	NNE.	SSE.	NW.	147·2	80·0	82·0	78·0	80·0	·1·012	·1·040	·947	·999	·9684	·9595	·91	...	0·4	6	b.	Cs, b.	P, c.
3	·812	·816	·797	·808	83·0	85·0	79·0	82·3	88·0	75·0	13·0	153·0	65·0	73·0	2·0	NNE.	SSE.	E.	195·6	80·0	83·0	78·0	80·3	·983	·1·103	·947	·1·011	·8791	·9595	·91	...	0·4	6	b.	Cs, b.	P, c.
4	·797	·801	·792	·796	81·0	85·0	80·0	82·0	88·0	74·0	14·0	160·0	72·0	72·0	2·0	NNE.	SW.	E.	156·3	79·0	82·0	79·0	80·0	·966	·1·054	·979	·999	·9191	·9696	·91	...	4·4	6	Cs, b.	Cs, b.	P, c.
5	·807	·816	·779	·800	83·0	85·0	80·0	82·6	88·0	76·0	12·0	159·0	71·0	73·0	3·0	NNE.	SW.	W.	158·7	82·0	83·0	78·0	81·0	·1·081	·1·103	·933	·1·039	·9691	·9191	·92	...	0·4	6	b.	Cs, b.	P, c.
6	·787	·821	·794	·800	82·0	84·0	80·0	82·0	89·0	75·0	14·0	158·0	69·0	70·0	5·0	NNE.	SW.	E.	163·8	80·0	83·0	79·0	80·6	·928	·1·117	·979	·1·031	·9196	·9696	·94	...	0·4	6	b.	P, c.	P, c.
7	·782	·814	·784	·794	79·0	85·0	80·0	81·3	89·0	76·0	13·0	158·0	69·0	70·0	6·0	NNE.	SW.	E.	175·4	78·0	81·0	79·0	79·3	·947	·1·005	·979	·977	·9583	·9396	·91	...	0·4	6	Cs, b.	P, c.	P, c.
8	·783	·816	·805	·800	80·0	85·0	79·0	81·3	88·0	72·0	16·0	159·0	72·0	71·0	1·0	NNE.	SW.	E.	160·0	79·0	83·0	78·0	80·3	·979	·1·001	·947	·975	·9691	·9595	·94	...	4·0	6	Cs, b.	P, c.	P, c.
9	·782	·814	·794	·796	80·0	85·0	79·0	81·3	88·0	74·0	14·0	153·0	65·0	72·0	2·0	ENE.	SW.	E.	163·8	78·0	82·0	77·0	79·0	·933	·1·054	·902	·963	·9187	·7183	...	0·4	6	b.	Cs, b.	P, c.	
10	·787	·814	·802	·801	80·0	86·0	80·0	82·0	87·0	71·0	16·0	157·0	70·0	70·0	1·0	NE.	WSW.	E.	152·5	78·0	82·0	78·0	79·3	·933	·1·040	·933	·968	·9184	·9188	...	0·4	6	b.	Cs, b.	P, c.	
11	·797	·799	·807	·801	80·0	84·0	79·0	81·0	86·0	72·0	14·0	156·0	70·0	70·0	2·0	NE.	WSW.	E.	159·3	78·0	80·0	77·0	78·3	·933	·971	·902	·935	·9183	·9188	...	4·0	6	Cs, b.	P, c.	P, c.	
12	·789	·821	·807	·805	79·0	84·0	78·0	80·3	88·0	74·0	14·0	160·0	72·0	72·0	2·0	NE.	WSW.	E.	156·1	78·0	80·0	77·0	78·3	·947	·971	·916	·944	·9583	·9591	...	0·4	8	b.	Cs, b.	Pc, o.	
13	·802	·811	·784	·795	81·0	85·0	80·0	82·0	88·0	74·0	14·0	159·0	71·0	72·0	2·0	NE.	SW.	W.	165·4	80·0	81·0	78·0	79·6	·1·012	·1·005	·933	·983	·9683	·9191	...	4·0	6	Cs, b.	P, c.	P, c.	
14	·784	·816	·787	·795	80·0	85·0	79·0	81·3	87·0	72·0	15·0	157·0	70·0	71·0	1·0	E.	SW.	W.	146·2	73·0	83·0	77·0	79·3	·933	·1·103	·902	·979	·9191	·9191	1·41	0·4	10	b.	Cs, b.	Pc, o, r.	
15	·792	·814	·812	·806	79·0	82·0	79·0	80·0	87·0	75·0	12·0	156·0	69·0	70·0	5·0	E.	SW.	SE.	151·5	77·0	79·0	78·0	78·0	·916	·952	·947	·938	·9187	·9591	1·40	0·4	10	b.	Cs, b.	Pc, o, r.	
16	·782	·799	·797	·792	80·0	85·0	78·0	81·0	88·0	72·0	16·0	155·0	70·0	71·0	1·0	E.	W.	W.	172·9	78·0	80·0	77·0	78·3	·933	·938	·916	·929	·9179	·9595	...	4·0	6	Cs, b.	P, c.	P, c.	
17	·797	·801	·827	·802	79·0	85·0	80·0	81·3	89·0	76·0	13·0	160·0	71·0	72·0	4·0	N.	W.	W.	197·4	78·0	83·0	78·0	79·6	·947	·1·103	·933	·949	·9591	·9191	...	4·0	6	Cs, b.	P, c.	P, c.	
18	·811	·819	·792	·807	80·0	86·0	80·0	82·0	88·0	76·0	12·0	156·0	68·0	71·0	5·0	N.	W.	W.	164·3	79·0	82·0	78·0	79·6	·979	·1·040	·933	·984	·9684	·9191	...	0·4	6	b.	Cs, b.	P, c.	
19	·797	·821	·806	·808	81·0	84·0	80·0	81·6	88·0	76·0	12·0	155·0	67·0	70·0	6·0	N.	W.	W.	172·8	79·0	80·0	78·0	79·0	·966	·971	·933	·956	·9183	·9191	...	0·4	6	Cs, b.	Pc, o, r.	P, c.	
20	·7																																			

METEOROLOGICAL RESULTS OF THE MALACCA OBSERVATORY, FOR THE MONTH OF JUNE, 1890.
12°14' N. Lat., 102°14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIVE HUMIDITY.			CLOUD 0 TO 10			CLOUD & WEATHER INITIALS.										
	9 H.		15 H.		21 H.		Mean.		°F.		°F.		°F.		°F.		°F.		°F.		°F.		% H.		% H.		% H.		% H.		Before 9 A.M.		9 A.M. to 3 P.M.		After 3 P.M.			
1	29.930	29.940	29.918	29.929	82.0	84.0	82.0	82.6	88.0	78.0	10.0	162.0	74.0	71.0	7.0	NE.	W.	W.	183.0	81.0	79.0	81.0	80.3	1.046	.925	1.046	1.005	96.7	96.9	96.9	90	1.64	0	4	0	b.	Cs, b.	Pc, o, r.
2	.936	.996	.920	.950	85.0	88.0	86.0	86.3	89.0	76.0	13.0	159.0	70.0	73.0	3.0	NE.	W.	SSW.	179.0	82.0	81.0	82.0	81.6	1.054	.965	1.040	1.019	87.7	87.8	84	81	...	0	4	6	b.	Cs, b.	P, c.
3	.801	.856	.812	.833	84.0	86.0	83.0	84.3	86.0	75.0	11.0	158.0	72.0	73.0	2.0	NE.	W.	SSW.	152.0	82.0	84.0	81.0	82.3	1.067	1.146	1.032	1.081	91.9	92.9	91	91	...	10	4	6	Pc, o, r,	Cs, b.	P, c.
4	.792	.796	.897	.798	82.0	85.0	83.0	83.3	85.0	76.0	9.0	160.0	75.0	72.0	4.0	NE.	E.		154.0	79.0	82.0	79.0	80.0	1.952	1.054	.938	.981	87.8	87.8	83	85	...	0	0	6	b.	P, c.	
5	.797	.821	.806	.808	81.0	84.0	80.0	81.6	88.0	77.0	11.0	161.0	73.0	73.0	4.0	NE.	W.	E.	168.0	79.0	80.0	78.0	79.0	1.966	.971	.933	.958	91.8	91.9	91	88	25	0	4	10	L.	Cs, b.	Pc, o, r.
6	.797	.04	.824	.805	79.0	85.0	81.0	81.6	86.0	75.0	11.0	152.0	66.0	72.0	3.0	E.	W.	E.	167.0	78.0	81.0	79.0	79.3	1.947	1.005	.966	.972	95.8	83.9	91	89	...	0	4	5	b.	Cs, b.	P, c.
7	.812	.824	.836	.824	83.0	85.0	84.0	84.0	87.0	77.0	10.0	154.0	67.0	73.0	4.0	E.	W.	E.	172.0	80.0	82.0	80.0	81.3	1.985	1.054	1.067	1.035	87.6	91.9	91	88	...	0	4	6	b.	Cs, b.	P, c.
8	.801	.784	.812	.79	84.0	86.0	83.0	84.3	86.0	75.0	11.0	158.0	72.0	72.0	3.0	E.	W.	E.	191.0	82.0	84.0	81.0	82.3	1.967	1.146	1.032	1.081	91.9	92.9	91	91	1.15	4	0	10	Cs, b.	b.	Pc, o, r.
9	.930	.945	.926	.933	84.0	88.0	85.0	85.6	88.0	75.0	13.0	152.0	64.0	72.0	3.0	W.	W.	E.	168.0	79.0	84.0	80.0	81.0	1.925	1.113	.958	.995	89.8	84.7	79	80	30	0	4	10	b.	Cs, b.	Pc, o, r.
10	.797	.799	.784	.790	80.0	84.0	79.0	81.0	86.0	74.0	12.0	156.0	70.0	70.0	4.0	W.	W.	NE.	174.0	73.0	80.0	77.0	78.5	1.933	.971	.916	.944	95.8	83.9	95	91	1.52	0	4	10	b.	P, c.	
11	.789	.821	.807	.805	79.0	84.0	78.0	80.3	85.0	76.0	12.0	160.0	72.0	72.0	4.0	N.	WSW.	NE.	181.0	78.0	80.0	77.0	78.5	1.947	.971	.916	.944	95.8	83.9	95	91	...	0	0	6	b.	Cs, b.	Pc, o, r.
12	.789	.821	.793	.805	79.0	84.0	79.0	80.6	85.0	76.0	9.0	160.0	75.0	72.0	4.0	N.	WSW.	NE.	166.0	78.0	80.0	77.0	78.3	1.947	.971	.902	.940	95.8	83.9	91	89	31	0	4	6	b.	Cs, b.	P, c.
13	.795	.821	.784	.800	80.0	85.0	81.0	82.0	85.0	76.0	9.0	159.0	74.0	71.0	5.0	N.	WSW.	NE.	169.0	79.0	78.0	79.0	79.5	1.979	.866	.966	.933	96.8	72.9	91	86	...	0	0	6	b.	Cs, b.	P, c.
14	.784	.785	.784	.784	81.0	85.0	80.0	82.0	88.0	76.0	12.0	159.0	71.0	72.0	4.0	E.	WSW.	E.	158.0	80.0	81.0	78.0	79.6	1.912	1.005	.933	.983	96.8	91.9	91	94	...	0	4	10	b.	Cs, b.	Pc, o, r.
15	.792	.792	.782	.782	80.0	85.0	81.0	82.0	88.0	76.0	12.0	159.0	71.0	71.0	5.0	E.	W.	E.	182.0	79.0	84.0	80.0	81.0	1.979	1.154	1.012	1.048	96.8	96.9	96	96	23	0	4	6	b.	Cs, b.	P, c.
16	.797	.799	.784	.793	80.0	84.0	79.0	81.0	85.0	74.0	11.0	160.0	75.0	70.0	4.0	E.	W.	E.	161.0	79.0	80.0	77.0	82.0	1.979	.971	.902	.950	96.8	83.9	91	90	...	4	0	6	b.	Cs, b.	
17	.799	.804	.787	.796	80.0	86.0	80.0	82.0	86.0	76.0	10.0	159.0	73.0	71.0	5.0	E.	S.	E.	153.0	78.0	82.0	78.0	79.3	1.933	1.040	.933	.268	91.8	84.9	91	88	...	0	4	6	b.	Cs, b.	P, c.
18	.784	.814	.800	.799	80.0	84.0	80.0	81.3	87.0	73.0	14.0	160.0	73.0	71.0	2.0	E.	S.	E.	163.0	78.0	82.0	78.0	79.3	1.967	.933	.977	.997	91.8	91.9	91	91	...	0	0	6	b.	Cs, b.	P, c.
19	.778	.794	.782	.755	80.0	85.0																																

METEOROLOGICAL RESULTS OF THE MALACCA OBSERVATORY, FOR THE MONTH OF JULY, 1890.

12° 14' N. Lat., 102° 14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIV HUMI-DITY.		RAIN INCH-ES.	CLOUD 0 TO 10	CLOUD & WEATHER INITIALS.										
	9 H.		15 H.		21 H.		Mean.		9 H.		15 H.		21 H.		Sun.		Difference Sun and Shade.		Grass.		Difference Shade and Radiation.		Direction.		Velocity.		Total Miles.		Mean.		9 H.		15 H.		21 H.		Mean.	
1	Ins. 29·786	Ins. 29·796	Ins. 29·792	Ins. 29·791	85·0 85·0	81·0 86·0	83·6 74·0	73·0 1·0	12·0 160·0	74·0 73·0	12·0 152·0	66·0 72·0	2·0	NE. S.	E.	175·5 82·0	83·0 80·0	81·6 1·054	1·110	·966 1·043	·87 91 91	·89 89	..	4 0	6	Cs, b.	b.	P, k.										
2	·794	·794	·784	·790	85·0 88·0	85·0 86·0	86·0 74·0	74·0 11·0	12·0 155·0	69·0 71·0	4·0	W. S.	E.	189·0 79·0	82·0 79·0	80·0 1·911	1·013	·911 1·945	·76 76 76	·70 70	·03	0	4	10	b,	Cs, b.	Pc, o. r.											
3	·807	·806	·807	·806	81·0 85·0	83·0 83·0	83·0 86·0	75·0 11·0	155·0 156·0	69·0 70·0	4·0	W. SSW.	E.	182·2 78·0	80·0 77·0	78·3 1·920	·953	·848 1·908	·87 79 75	·80 80	·34	0	4	10	b,	Cs, b.	Pc, o. r.											
4	·797	·799	·784	·793	80·0 84·0	79·0 81·0	81·0 86·0	74·0 12·0	156·0 156·0	70·0 70·0	4·0	W. SSW.	E.	180·0 78·0	80·0 77·0	78·3 1·933	·971	·902 1·935	·91 83 91	·88 88	..	0	4	6	b,	Cs, b.	P, e.											
5	·789	·821	·807	·805	79·0 84·0	79·0 80·0	80·6 87·0	74·0 13·0	156·0 156·0	69·0 70·0	4·0	W. SSW.	ESE.	176·6 77·0	79·0 78·0	78·0 1·902	·925	·947 1·924	·91 79 95	·91 91	·14	10	4	10	Pe, o. r.	Cs, b.	Pc, o. r.											
6	·805	·814	·812	·811	79·0 82·0	79·0 80·0	82·0 87·0	74·0 13·0	156·0 158·0	70·0 72·0	3·0	W. SSW.	ESE.	179·0 78·0	80·0 77·0	78·3 1·947	·998	·902 1·949	·95 91 91	·92 92	·16	4	6	10	Cs, b.	P, c.	Pc, o. r.											
7	·782	·799	·797	·792	80·0 85·0	78·0 81·0	88·0 75·0	13·0 13·0	153·0 153·0	70·0 72·0	3·0	NE. SSW.	E.	166·0 78·0	80·0 77·0	78·3 1·933	·958	·916 1·935	·91 79 95	·91 91	..	4	0	6	Cs, b.	b,	P, c.											
8	·794	·804	·799	·799	80·0 83·0	79·0 80·6	87·0 74·0	13·0 13·0	150·0 150·0	63·0 72·0	2·0	NE. SSW.	E.	166·4 79·0	80·0 77·0	78·6 1·979	·985	·902 1·955	·96 87 91	·91 91	..	0	0	6	b,	Cs, b.	P, c.											
9	·813	·799	·809	·807	80·0 83·0	79·0 80·6	87·0 74·0	14·0 14·0	160·0 150·0	63·0 73·0	1·0	W. SSW.	E.	169·0 78·0	80·0 77·0	78·3 1·933	·985	·902 1·940	·91 87 91	·89 89	·55	4	4	10	Cs, b.	Cs, b.	Pc, o. r.											
10	·792	·807	·799	·799	83·0 85·0	84·0 84·0	88·0 74·0	14·0 14·0	160·0 159·0	72·0 73·0	1·0	W. SSW.	W.	173·5 80·0	81·0 81·0	80·6 1·985	1·005	1·019 1·003	·87 83 87	·85 85	1·00	6	6	10	P, c.	P, c.	Pc, o. r.											
11	·804	·809	·807	·806	80·0 82·0	82·0 81·3	86·0 75·0	11·0 11·0	161·0 161·0	75·0 72·0	3·0	W. S.	S.	189·2 78·0	79·0 79·0	78·6 1·933	·952	·952 1·949	·91 87 87	·88 88	..	0	4	10	b,	Cs, b.	Pc, o. r.											
12	·794	·796	·812	·800	83·0 85·0	80·0 82·0	82·6 88·0	77·0 11·0	165·0 159·0	77·0 73·0	4·0	W. WSW.	WSW.	198·3 79·0	80·0 79·0	79·3 1·938	·958	·979 1·958	·83 79 96	·86 86	·90	4	0	10	Cs, b.	b,	Pc, o. r.											
13	·812	·874	·824	·836	85·0 87·0	80·0 81·6	84·0 87·0	13·0 13·0	159·0 159·0	71·0 72·0	3·0	NNE. WSW.	WSW.	216·0 81·0	82·0 79·0	80·6 1·005	1·027	1·979 1·003	·83 80 96	·86 86	·50	4	4	10	Cs, b.	Cs, b.	Pc, o. r.											
14	·794	·791	·786	·790	84·0 85·0	86·0 81·6	87·0 76·0	11·0 11·0	160·0 160·0	73·0 72·0	4·0	W. WSW.	WSW.	258·3 80·0	83·0 82·0	81·6 1·971	1·103	1·040 1·038	·83 91 84	·86 86	4·40	6	10	10	P, c.	Pc, o. r.	Pc, o. r.											
15	·782	·771	·794	·782	81·0 87·0	86·0 84·6	88·0 76·0	12·0 12·0	155·0 155·0	67·0 72·0	4·0	S. S.	WSW.	287·0 79·0	83·0 81·0	81·0 1·966	1·076	1·992 1·011	·91 84 80	·85 85	..	4	6	6	Cs, b.	b,	P, k.											
16	·812	·867	·799	·826	85·0 89·0	80·0 82·0	89·0 89·0	13·0 13·0	161·0 161·0	72·0 73·0	3·0	S. S.	WSW.	264·6 81·0	78·0 79·0	79·3 1·905	·933	·966 1·968	·83 91 91	·88 88	·12	4	4	10	Cs, b.	Cs, b.	Pc, o. r.											
17	·819	·856	·796	·823	84·0 88·0	85·0 85·6	87·0 85·6	12·0 12·0	160·0 159·0	73·0 72·0	3·0	S. W.	S.	252·3 78·0	82·0 80·0	80·0 1·879	1·013	1·958 1·950	·75 76 79	·76 76	·08	4	6	10	Cs, b.	b,	P, k.	Pc, o. r.										

SS/1
 METEOROLOGICAL RESULTS OF THE MALACCA HOSPITAL OBSERVATORY, FOR THE MONTH OF AUGUST, 1890.
 12° 14' N. Lat., 102° 14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.		TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMI-DITY.				CLOUD 0 to 10		CLOUD & WEATHER INITIALS.									
	9 H.	15 H.	21 H.	Mean.	Ins.	Ins.	°F.	°F.	°F.	°F.	°F.	°F.	Sun.	Difference Sun and Shade.	Grass.	Direction.	Velocity.	Total Miles.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	After 3 P.M.						
1	29.914	29.733	29.871	29.839	77.0	83.0	77.0	79.0	85.0	74.0	11.0	146.0	61.0	72.0	2.0	N.	W.	158.2	76.0	79.0	76.0	77.0	.886	.938	.886	.903	95	83	95	91	.25	0	0	b.	b.	P, o, r.		
2	.888	.841	.875	.868	84.0	87.0	79.0	83.3	88.0	73.0	15.0	155.0	67.0	71.0	2.0	N.	W.	188.1	80.0	80.0	78.0	79.3	.971	.931	.947	.949	83	72	95	83	.37	0	0	4	10	b.	Cs, b.	P, o, r.
3	.881	.733	.831	.815	83.0	86.0	79.0	82.6	88.0	75.0	13.0	157.0	69.0	71.0	4.0	N.	SE.	167.6	80.0	82.0	78.0	80.0	.985	1.040	.947	.994	87	84	95	88	.04	4	0	10	Cs, b.	b,	P, o, r.	
4	.897	.818	.899	.871	82.0	87.0	79.0	82.6	87.0	75.0	12.0	156.0	69.0	72.0	3.0	W.	S.	239.1	80.0	82.0	77.0	79.6	.998	1.027	.902	.975	91	80	91	87	...	4	4	6	Cs, b.	Cs, b.	P, c.	
5	.878	.833	.873	.861	84.0	86.0	80.0	83.3	88.0	74.0	14.0	157.0	69.0	71.0	3.0	N.	S.	159.0	81.0	81.0	78.0	80.0	1.019	.992	.933	.981	87	80	91	86	...	4	4	6	Cs, b.	Cs, b.	P, k.	
6	.882	.741	.881	.834	85.0	85.0	81.0	83.6	89.0	74.0	15.0	156.0	65.0	71.0	3.0	N.	S.	161.4	81.0	81.0	79.0	80.3	1.005	1.005	.966	.975	83	83	91	85	...	0	0	6	b.	b.	P, k.	
7	.886	.727	.871	.828	83.0	85.0	78.0	82.0	86.0	74.0	12.0	154.0	68.0	71.0	3.0	NE.	E.	180.2	80.0	81.0	77.0	79.3	.985	1.005	.916	.968	87	83	95	85	1.14	0	4	6	b.	Cs, b.	P, o, r.	
8	.843	.713	.876	.810	82.0	86.0	79.0	92.3	85.0	75.0	10.0	156.0	71.0	71.0	4.0	NE.	S.	216.0	80.0	82.0	78.0	80.0	.998	1.040	.947	.995	91	84	95	90	1.46	4	6	10	Cs, b.	P, c.	P, o, r.	
9	.799	.743	.845	.795	78.0	88.0	80.0	82.0	86.0	74.0	12.0	149.0	63.0	72.0	2.0	NE.	W.	172.6	77.0	80.0	78.0	78.3	.916	.917	.933	.922	95	69	91	85	...	4	4	6	Cs, b.	Cs, b.	P, k.	
10	.794	.717	.776	.762	84.0	87.0	80.0	83.6	88.0	75.0	13.0	160.0	72.0	72.0	3.0	NE.	S.	167.6	80.0	81.0	78.0	79.6	.971	.978	.933	.960	83	76	91	83	...	0	0	6	b.	b.	P, k.	
11	.792	.814	.812	.806	79.0	82.0	79.0	80.0	87.0	74.0	13.0	156.0	69.0	70.0	4.0	NE.	S.	156.0	77.0	79.0	78.0	78.0	.902	.952	.947	.933	91	87	95	91	1.50	6	4	10	P, c.	Cs, b.	P, o, r.	
12	.782	.799	.797	.792	80.0	85.0	78.0	81.0	88.0	75.0	13.0	158.0	70.0	71.0	4.0	N.	S.	167.6	78.0	80.0	77.0	78.3	.933	.958	.916	.935	91	79	95	88	...	4	4	6	Cs, b.	Cs, b.	P, c.	
13	.784	.816	.787	.795	80.0	85.0	79.0	81.3	87.0	75.0	12.0	157.0	70.0	71.0	4.0	W.	S.	160.0	78.0	83.0	77.0	79.3	.933	1.103	.902	.979	91	91	91	91	1.20	6	4	10	P, c.	b.	P, o, r.	
14	.789	.816	.789	.798	79.0	84.0	79.0	80.6	85.0	76.0	9.0	160.0	75.0	72.0	4.0	W.	S.	171.4	78.0	86.0	77.0	78.3	.947	.971	.902	.842	95	83	91	89	.04	6	6	10	P, c.	Cs, b.	P, o, r.	
15	.797	.801	.785	.794	79.0	87.0	81.0	82.3	88.0	78.0	10.0	156.0	68.0	71.0	7.0	N.	SSE.	E.	158.0	78.0	84.0	80.0	82.6	.947	1.127	1.012	1.028	95	88	96	93	2.56	6	6	10	P, c.	P, c.	P, o, r.
16	.795	.800	.784	.793	85.0	88.0	86.0	86.3	88.0	76.0	12.0	159.0	71.0	72.0	4.0	N.	WSW.	W.	166.1	80.0	82.0	81.0	81.0	.958	1.013	.992	.987	79	76	80	78	...	10	4	6	Pe, o, r.	Cs, b.	P, c.
17	.807	.807	.794	.802	80.0	82.0	79.0	80.3	87.0	74.0	13.0	150.0	63.0	70.0	4.0	N.	WSW.	SE.	161.4	78.0	79.0	77.0	78.0	.933	.952	.902	.925	91	87	91	89	1.35	6	4	10	P, c.	Cs, b.	P, o, r.
18	.793	.809	.804	.802	80.0	83.0	79.0	80.6	87.0	73.0	14.0	150.0	63.0	72.0	1.0	W.	W.	159.0	78.0	80.0	77.0	78.3	.933	.985	.902	.940	91	87	91	89	...	4	4	6	Cs, b.	Cs, b.	P, c.	
19	.891	.867	.904	.887	80.0	83.0	79.0	80.6	86.0	75.0	11.0	156.0	70.0	71.0	4.0	W.	W.	148.0	79.0	80.0	78.0	79.6	.979	.985	.947	.970	96	87	95	92	.04	0	4	10	Cs, b.	Cs, b.	P, o, r.	
20	.792	.807	.799	.799	83.0	85.0	84.0	84.0	88.0	74.0	14.0	158.0	70.0	71.0	3.0	W.	W.	168.1	81.0	78.0	79.0	79.3	1.032	.866	.925	.941	91	72	79	80	.39	6	4	10	P, c.	b.	P, o, r.	
21	.797	.774	.799	.790	80.0	87.0	85.0	84.0	86.0	75.																												

METEOROLOGICAL RESULTS OF THE MALACCA OBSERVATORY, FOR THE MONTH OF SEPTEMBER, 1890.

12° 14' N. Lat., 102° 14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.						TEMPERATURE OF RADIATION.			WIND.			TEMPERATURE OF EVAPORATION.			COMPUTED VAPOUR TENSION.			RELATIV HUMI DITY.			RAIN INCH ES.	CLOUD 0 TO 10	CLOUD & WEATHER INITIALS.								
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	Difference Sun and Shade.	Grass.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	21 H.	Mean.	9 A.M. to 3 P.M.	After 3 P.M.								
1	29.810	29.823	29.805	29.812	80.0	83.0	79.0	81.5	89.0	74.0	15.0	150.0	61.0	72.0	2.0	NE.	SW.	NE.	163.4	79.0	80.0	78.0	79.0	.979	1.026	.947	.924	.96	100	95	97	2.30	10	I 10 10	Pc, o, r.	Pc, o, r.
2	'810	'838	'798	'815	83.0	84.0	81.0	81.2	89.0	77.0	12.0	150.0	61.0	73.0	4.0	NW.	NNE.	NE.	157.1	79.0	80.0	80.0	79.7	.938	.971	1.012	.973	.83	83	96	87	.20	6	0 10	P, c.	Pc, o, r.
3	'802	'801	'792	'798	81.0	87.0	79.0	80.5	88.0	75.0	13.0	163.0	75.0	73.0	2.0	NW.	SE.	NE.	147.2	80.0	80.0	78.0	79.3	1.012	.931	.947	.963	.96	87	95	87	.14	6	4 10	P, c.	Cs, l.
4	'827	'807	'824	'818	80.0	82.0	79.0	81.2	87.0	74.0	13.0	156.0	69.0	71.0	3.0	NW.	SE.	NE.	158.8	78.0	79.0	78.0	78.7	.933	.952	.947	.944	.91	87	95	91	.22	6	4 10	P, c.	Cs, b.
5	'789	'809	'824	'807	81.0	83.0	84.0	80.5	88.0	74.0	14.0	160.0	72.0	73.0	1.0	ENE.	SE.	E.	161.5	80.0	79.0	81.0	80.0	1.012	.938	1.005	.985	.96	83	83	87	...	4	0 6	Cs, b.	P, c.
6	'792	'807	'799	'799	83.0	85.0	84.0	81.5	88.0	74.0	14.0	160.0	72.0	72.0	2.0	W.	SSW.	E.	198.6	80.0	81.0	81.0	80.7	.985	1.005	1.019	1.003	.87	83	87	85	.40	0	4 10	b.	Cs, b.
7	'794	'802	'809	'801	83.0	85.0	81.0	81.0	88.0	75.0	13.0	160.0	72.0	73.0	2.0	W.	SSW.	E.	153.7	80.0	81.0	79.0	80.0	.985	1.005	.966	.985	.87	83	91	87	...	4	4 6	Cs, b.	P, c.
8	'789	'804	'791	'794	80.0	85.0	82.0	80.2	88.0	74.0	14.0	158.0	70.0	70.0	4.0	N.	SSW.	N.	146.4	81.0	79.0	81.0	80.3	1.019	.952	1.005	.992	.87	87	83	85	...	0	0 6	b.	P, c.
9	'800	'801	'792	'797	80.0	85.0	78.0	82.0	88.0	75.0	13.0	158.0	70.0	72.0	3.0	N.	SSW.	N.	149.3	79.0	80.0	77.0	78.7	.979	.958	.916	.951	.96	79	95	90	...	0	4 6	Cs, b.	P, c.
10	'789	'811	'792	'797	81.0	85.0	80.0	80.0	86.0	74.0	12.0	159.0	73.0	71.0	3.0	N.	SSW.	N.	147.8	78.0	80.0	78.0	78.7	.920	.958	.933	.937	.87	79	91	85	1.41	0	4 10	Cs, b.	b.
11	'784	'806	'794	'794	83.0	86.0	81.0	81.2	89.0	75.0	14.0	160.0	71.0	72.0	3.0	N.	SSW.	N.	163.0	80.0	82.0	79.0	80.3	.985	1.040	.966	.997	.87	84	91	87	1.50	0	0 10	b.	P, o, r.
12	'810	'794	'792	'798	81.0	83.0	82.6	80.2	88.0	75.0	13.0	159.0	71.0	73.0	2.0	N.	W.	E.	203.4	78.0	80.0	80.0	79.3	.920	.985	.998	.967	.87	87	91	88	...	4	0 6	Cs, b.	P, c.
13	'792	'789	'819	'800	80.0	85.0	80.0	80.2	89.0	76.0	13.0	155.0	66.0	72.0	4.0	W.	W.	E.	235.3	78.0	80.0	79.0	79.0	.933	.958	.979	.956	.91	79	96	88	...	0	0 6	b.	P, c.
14	'805	'789	'779	'791	81.0	85.0	80.0	80.0	88.0	74.0	14.0	155.0	67.0	73.0	1.0	N.	W.	E.	169.9	79.0	82.0	80.0	80.3	1.012	1.103	.933	1.016	.96	91	91	92	...	4	0 6	Cs, b.	P, c.
15	'799	'799	'812	'803	81.0	84.0	83.0	80.5	88.0	74.0	14.0	155.0	67.0	73.0	1.0	N.	W.	E.	157.4	79.0	82.0	80.0	80.3	.966	1.067	.985	1.006	.91	91	87	89	...	4	0 6	Cs, b.	P, c.
16	'794	'804	'787	'795	83.0	85.0	83.0	81.2	87.0	74.0	13.0	160.0	73.0	72.0	2.0	N.	W.	E.	165.3	80.0	82.0	80.0	80.7	.985	1.054	.985	1.008	.87	87	87	87	...	4	0 6	Cs, b.	P, c.
17	'787	'796	'787	'790	82.0	86.0	84.0	81.5	88.0	74.0	14.0	159.0	71.0	70.0	4.0	N.	W.	W.	213.4	80.0	82.0	81.0	81.0	.998	1.040	1.019	1.019	.91	84	87	87	...	4	0 6	Cs, b.	P, c.
18	'792	'789	'814	'798	83.0	86.0	83.0	82.0	89.0	76.0	13.0	160.0	71.0	72.0	4.0	N.	W.	W.	139.9	80.0	82.0	81.0	81.0	.985	1.040	1.032	.985	.87	84	91	87	...	4	0 6	Cs, b.	P, c.
19	'792	'814	'812	'806	79.0	82.0	79.0	81.0	87.0	74.0	13.0	156.0	69.0	72.0	2.0	N.	W.	ESE.	137.5	77.0	79.0	78.0	78.0	.902	.952	.947	.933	.91	87	95	91	.84	4	4 10	Cs, b.	P, o, r.
20	'782	'799	'797	'792	80.0	85.0	78.0	82.0	88.0	75.0	13.0	160.0	72.0	71.0	4.0	W.	WSW.	ESE.	246.3	78.0	80.0	77.0	78.3	.933	.958	.916	.935	.91	79	95	88	...	0	0 6	b.	P, c.
21	'797	'801	'827	'808	79.0	85.0	80.0	80.0	89.0	76.0	13.0	160.0	71.0	72.0	4.0	NNW.	W.	W.	170.0	78.																

L.S.H.
METEOROLOGICAL RESULTS OF THE MALACCA HOSPITAL OBSERVATORY, FOR THE MONTH OF OCTOBER, 1890.
12° 14' N. Lat., 102° 14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°		TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMI- DITY.			CLOUD & WEATHER INITIALS.														
	Ins.	9 H.	15 H.	21 H.	Mean.	9 H.	15 H.	Mean.	9 H.	15 H.	Mean.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	9 A.M. to 3 P.M.	After 3 P.M.											
1	29.930	29.957	29.925	29.937	29.937	80.0	86.0	80.0	82.0	88.0	75.0	13.0	159.0	71.0	71.0	4.0	N.	W.	W.	195.3	78.0	80.0	78.0	78.6	.933	.944	.933	.936	91	76	91	86	..	6	4	6	P, c.	Cs, b.	P, c.
2	.935	965	.927	.942	80.0	86.0	80.0	82.0	89.0	76.0	13.0	160.0	71.0	72.0	4.0	N.	W.	W.	186.4	77.0	80.0	78.0	78.3	.889	.944	.979	.922	87	76	91	84	..	4	0	6	Cs, b.	P, c.	b.	
3	.940	.975	.937	.884	82.0	85.0	80.0	82.3	88.0	76.0	12.0	160.0	72.0	70.0	6.0	N.	W.	W.	232.5	78.0	80.0	79.0	79.0	.906	.958	.933	.947	83	79	98	86	..	4	4	6	Cs, b.	P, c.		
4	.927	.960	.937	.941	80.0	86.0	80.0	82.0	88.0	75.0	13.0	157.0	69.0	72.0	3.0	N.	W.	W.	280.1	79.0	82.0	78.0	79.6	.979	1.040	.979	.984	96	84	91	90	..	0	0	6	b.	P, c.		
5	.824	.813	.820	.819	80.0	85.0	80.0	81.6	88.0	76.0	12.0	159.0	71.0	71.0	5.0	N.	W.	W.	152.8	78.0	80.0	79.0	79.0	.933	.958	.920	.956	91	78	69	88	..	0	4	4	b.	Cs, b.	Cs, b.	
6	.802	.775	.798	.791	79.6	85.0	81.0	81.6	89.0	76.0	13.0	160.0	71.0	73.0	3.0	N.	W.	W.	178.4	77.0	80.0	78.0	78.3	.902	.958	.933	.926	91	79	87	85	..	0	0	6	b.	P, c.		
7	.784	.797	.799	.793	83.0	86.0	80.0	83.0	88.0	75.0	13.0	159.0	71.0	71.0	4.0	N.	W.	W.	170.7	80.0	82.0	78.0	80.0	.984	1.040	.979	.956	87	84	91	87	..	6	0	6	b.	P, c.		
8	.788	.822	.915	.841	80.0	85.0	80.0	81.6	87.0	76.0	11.0	154.0	67.0	72.0	4.0	N.	W.	W.	190.0	78.0	82.0	79.0	79.6	.933	1.054	.933	.988	91	87	96	91	.50	4	0	10	Cs, l.	P, c.	Pc, o, r.	
9	.879	.781	.809	.823	80.0	84.0	80.0	81.3	88.0	75.0	13.0	153.0	65.0	72.0	3.0	W.	W.	W.	195.5	79.0	80.0	78.0	79.0	.979	.971	.902	.961	96	83	91	90	..	4	4	6	Cs, b.	P, c.		
10	.783	.779	.802	.790	79.6	85.0	79.0	81.0	87.0	76.0	11.0	152.0	65.0	70.0	6.0	W.	W.	W.	161.9	78.0	81.0	77.0	78.6	.947	1.065	.933	.951	95	83	91	89	..	0	0	6	b.	P, c.		
11	.894	.785	.907	.862	80.0	85.0	80.0	81.6	88.0	76.0	11.0	159.0	71.0	73.0	3.0	W.	W.	W.	158.0	79.0	82.0	78.0	79.6	.979	1.054	.902	.788	96	87	91	91	.21	4	0	10	Cs, b.	b.	Pc, o, r.	
12	.876	.804	.822	.834	80.0	87.0	79.0	82.0	87.0	75.0	12.0	155.0	68.0	70.0	5.0	W.	W.	W.	193.7	78.0	81.0	77.0	78.6	.933	.978	.979	.937	91	76	91	86	..	1	6	0	Pc, o, r.	P, c.		
13	.903	.848	.902	.884	80.0	85.0	80.0	81.6	88.0	75.0	13.0	158.0	70.0	70.0	5.0	W.	W.	W.	182.4	78.0	80.0	79.0	79.3	.933	.958	.902	.956	91	79	96	98	..	0	0	6	b.	P, c.		
14	.844	.813	.883	.846	79.0	85.0	79.0	84.0	87.0	74.0	13.0	156.0	69.0	71.0	3.0	W.	W.	W.	189.3	78.0	83.0	77.0	79.3	.947	1.103	.947	.987	95	19	91	92	..	0	4	6	b.	Cs, b.	P, c.	
15	.862	.743	.819	.808	80.0	85.0	79.0	81.5	87.0	75.0	12.0	157.0	70.0	71.0	4.0	W.	W.	W.	268.4	78.0	82.0	78.0	79.3	.933	1.051	.933	.978	91	87	95	91	..	4	0	6	P, c.	Cs, b.	P, c.	
16	.892	.784	.916	.864	81.0	85.0	80.0	82.0	86.0	75.0	11.0	156.0	70.0	70.0	5.0	W.	W.	W.	198.	79.0	81.0	78.0	79.3	.906	1.005	.947	.968	91	83	91	88	.22	0	6	10	b.	P, c.	Pc, o, r.	
17	.946	.824	.845	.871	81.0	85.0	79.0	81.6	88.0	75.0	13.0	153.0	65.0	72.0	3.0	W.	W.	W.	175.3	79.0	82.0	78.0	79.3	.906	1.054	.920	.987	91	87	95	91	.18	6	4	10	P, c.	Cs, b.	Pc, o, r.	
18	.903	.789	.814	.791	83.0	86.0	83.0	84.0	89.0	76.0	13.0	162.0	73.0	73.0	4.0	N.	W.	W.	170.3	78.0	80.0	78.0	78.6	.906	1.032	.941	.919	87	87	87	1.40	0	6	10	P, c.	Pc, o, r.			
19	.792	.789	.814	.791	83.0	86.0	83.0	84.0	89.0	76.0	13.0	162.0	73.0	72.0	4.0	N.	W.	W.	160.0	80.0	82.0	81.0	81.0	.985	1.040	.945	.919	87	81	91	87	..	6	4	6	P, c.	Cs, b.	P, c.	
20	.799	.799	.812	.803	81.0	84.0	83.0	82.6	88.0	74.0	14.0	155.0	67.0	73.0	1.0	W.	W.	W.	152.8	79.0	82.0	80.0	80.3	.966	1.067	.985	1.006	91	91	87	89	1.31	6	6	10	P, c.	Pc, o, r.		
21	.794	.804	.787	.793	83.0	85.0	83.0	83.6	87.0	74.0	13.0	161.0	74.																										

METEOROLOGICAL RESULTS OF THE MALACCA OBSERVATORY, FOR THE MONTH OF NOVEMBER, 1890.

12° 14' N. Lat., 102° 14' E. Long.

Height of Bar Cistern above Sea Level, 12 ft.

DATE.	BAROMETER—REDUCED TO 32°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.			TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMIDITY.	RAIN INCHES.	CLOUD 0 TO 10	CLOUD & WEATHER INITIALS.											
	9 H.	15 H.	21 H.	Mean.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	Ins.	Ins.	Ins.	Ins.	Ins.	%	%	%	%	%	%	Before 9 A.M.	9 A.M. to 3 P.M.	After 3 P.M.					
1	Ins. 29.810	Ins. 29.823	Ins. 29.805	Ins. 29.812	80.0	83.0	79.0	80.6	89.0	74.0	15.0	150.0	61.0	72.0	2.0	NE.	N.	N.	155	79.0	80.0	78.0	79.0	.979	.985	.947	.976	95	87	95	92	...	4	0	6	Cs, b.	b.	P, c.
2	.810	.838	.798	.814	83.0	84.0	81.0	82.6	89.0	77.0	12.0	150.0	61.0	73.0	4.0	NE.	W.	N.	158	79.0	80.0	80.0	79.0	.938	.971	1.012	.973	83	83	96	87	...	0	0	6	b.	b.	P, c.
3	.827	.807	.824	.819	80.0	82.0	79.0	80.3	88.0	75.0	13.0	163.0	75.0	73.0	2.0	NE.	N.	N.	160	79.0	80.0	78.0	79.0	.979	.998	.947	.976	96	91	95	94	.30	4	10	6	Cs, b.	Pc, o, r.	P, c.
4	.802	.801	.792	.798	81.0	87.0	79.0	82.3	87.0	74.0	13.0	156.0	69.0	71.0	3.0	NE.	N.	E.	152	78.0	79.0	78.0	78.3	.920	.830	.947	.899	87	57	95	79	.25	6	10	6	P, c.	Pc, o, r.	P, c.
5	.792	.807	.799	.799	81.0	83.0	84.0	82.6	88.0	74.0	14.0	160.0	72.0	73.0	1.0	NE.	W.	E.	149	80.0	79.0	81.0	80.0	1.012	.938	1.019	.989	96	83	87	88	.70	4	10	6	Cs, b.	Pc, o, r.	P, c.
6	.789	.809	.824	.807	83.0	85.0	84.0	84.0	88.0	74.0	14.0	160.0	72.0	72.0	2.0	NE.	E.	E.	159	80.0	81.0	81.0	80.6	.985	1.005	1.019	1.003	87	83	87	85	.85	4	10	10	Cs, b.	Pc, o, r.	P, c.
7	.804	.789	.791	.794	84.0	82.0	85.0	83.6	88.0	75.0	13.0	160.0	72.0	73.0	2.0	NE.	W.	E.	150	80.0	81.0	80.0	80.3	.971	1.046	.958	.991	83	96	79	86	..	4	0	6	Cs, b.	P, c.	P, c.
8	.802	.794	.809	.801	83.0	85.0	81.0	83.0	88.0	74.0	14.0	158.0	70.0	70.0	4.0	NE.	W.	E.	158	81.0	82.0	80.0	81.0	1.032	1.054	1.012	1.032	91	87	96	91	..	0	4	6	b.	Cs, b.	P, c.
9	.789	.811	.792	.797	81.0	85.0	80.0	82.0	88.0	75.0	13.0	158.0	70.0	72.0	3.0	NE.	W.	E.	153	79.0	80.0	77.0	78.6	.966	.958	.889	.937	91	79	87	85	..	0	4	6	b.	Cs, b.	P, c.
10	.800	.801	.792	.797	80.0	85.0	78.0	81.0	86.0	74.0	12.0	159.0	73.0	71.0	3.0	NE.	W.	E.	161	78.0	80.0	77.0	78.3	.933	.958	.916	.935	91	79	95	88	..	0	0	6	b.	P, c.	P, c.
11	.820	.794	.792	.802	83.0	86.0	81.0	83.3	89.0	75.0	14.0	160.0	71.0	72.0	3.0	NE.	W.	E.	148	80.0	82.0	79.0	80.3	.985	1.040	.966	.997	87	84	91	87	.70	6	10	6	P, c.	Pc, o, r.	P, c.
12	.784	.806	.794	.794	81.0	83.0	82.0	82.0	88.0	75.0	13.0	159.0	71.0	73.0	2.0	NE.	W.	E.	151	78.0	80.0	80.0	79.3	.920	.985	.998	.967	87	87	91	88	.60	0	4	10	b.	Cs, b.	Pc, o, r.
13	.806	.789	.779	.791	80.0	85.0	80.0	81.6	89.0	76.0	13.0	155.0	66.0	72.0	4.0	NE.	W.	E.	161	78.0	80.0	79.0	79.0	.933	.958	.979	.956	91	79	96	88	..	4	6	6	Cs, b.	P, c.	Cs, b.
14	.792	.789	.819	.800	81.0	85.0	80.0	82.0	88.0	75.0	13.0	152.0	64.0	70.0	5.0	NE.	W.	E.	158	80.0	83.0	78.0	80.3	1.012	1.033	.933	1.016	96	91	91	92	..	6	4	6	P, c.	Cs, b.	Pc, o, r.
15	.794	.804	.787	.795	81.0	84.0	83.0	82.6	88.0	74.0	14.0	155.0	67.0	73.0	2.0	NE.	NNW.	E.	174	79.0	82.0	80.0	80.3	.966	1.067	.998	1.010	91	91	87	89	.70	4	0	10	Cs, b.	P, c.	P, c.
16	.799	.799	.812	.803	83.0	85.0	83.0	83.6	87.0	74.0	13.0	160.0	73.0	72.0	2.0	NE.	NNW.	E.	180	80.0	82.0	80.0	80.6	.985	1.054	.985	1.008	87	87	87	87	..	10	6	6	Pc, o, r.	P, c.	P, c.
17	.787	.796	.787	.790	82.0	86.0	84.0	84.0	88.0	74.0	14.0	159.0	71.0	70.0	4.0	NE.	W.	E.	186	80.0	82.0	81.0	81.0	.998	1.040	1.019	91	84	87	87	.70	6	4	10	P, c.	Cs, b.	Pc, o, r.	
18	.792	.789	.814	.798	83.0	86.0	83.0	84.0	89.0	76.0	13.0	160.0	71.0	72.0	4.0	NE.	W.	E.	189	82.0	82.0	81.0	81.6	1.081	1.040	1.043	96	84	91	90	..	6	4	6	P, c.	Cs, b.	P, c.	
19	.915	.912	.918	.918	78.0	83.0	80.0	80.3	87.0	74.0	13.0	156.0	69.0	72.0	4.0	NE.	W.	E.	195																			

METEOROLOGICAL RESULTS OF THE MALACCA HOSPITAL OBSERVATORY, FOR THE MONTH OF DECEMBER, 1890.
 12° 14' N. Lat., 102° 14' E. Long. Height of Bar Cistern above Sea Level, 12 ft.

DATE	BAROMETER—REDUCED TO 52°				TEMPERATURE OF AIR.				TEMPERATURE OF RADIATION.				WIND.				TEMPERATURE OF EVAPORATION.				COMPUTED VAPOUR TENSION.				RELATIVE HUMI- DITY.				CLOUD & WEATHER INITIALS.						
	9 H.	15 H.	Mean.	21 H.	Ins.	°F.	°F.	°F.	14.4	140.4	55.4	70.2	0.4	NE.	E.	162.6	80.0	75.8	74.4	76.9	Ins.	Ins.	Ins.	Ins.	9 H.	15 H.	21 H.	9 H.	15 H.	21 H.	9 A.M. to 3 P.M.	After 3 P.M.			
1	29.935	29.967	29.940	29.947	85.0	80.2	80.4	81.6	85.0	70.6	14.4	140.4	55.4	70.2	0.4	NE.	E.	162.6	80.0	75.8	74.4	76.9	958	947	760	848	81	95	74	83	...	610	6	P. c.	P. c.
2	935	965	950	950	80.6	85.0	80.4	82.0	85.2	70.4	14.8	145.6	60.4	70.0	0.4	NE.	E.	160.4	75.4	80.0	74.2	76.5	802	953	760	773	78	79	74	77	.45	610	6	P. c.	P. c.
3	935	955	927	939	84.0	85.2	84.0	84.4	85.0	70.6	14.4	145.4	60.4	70.4	0.2	NE.	W.	159.7	80.0	80.0	80.0	80.0	953	971	966	79	83	83	81	...	40	10	Cs. b.	P. o. r.	
4	960	967	925	950	84.0	82.0	82.2	82.7	89.0	70.2	18.8	154.0	65.0	70.0	0.2	NE.	W.	161.8	80.0	78.0	78.0	78.6	971	906	927	83	83	83	83	...	00	6	b.	P. c.	
5	935	947	930	937	85.0	84.0	84.0	84.3	87.0	70.0	17.0	160.0	73.0	69.0	1.0	NE.	W.	158.4	80.0	80.0	80.0	80.0	958	971	966	79	83	83	81	.15	410	10	Cs. b.	P. o. r.	
6	789	786	787	787	80.0	84.0	84.0	81.0	86.0	72.0	14.0	154.0	68.0	71.0	1.0	NE.	W.	159.0	77.0	81.0	80.0	79.3	889	1019	971	959	87	87	83	85	...	00	6	b.	P. c.
7	804	789	791	794	85.0	82.4	80.0	82.4	88.0	71.0	18.0	130.0	42.0	70.0	1.0	NE.	NE.	160.8	80.0	80.2	78.0	79.4	954	998	933	963	79	91	91	80	...	610	0	P. c.	P. o. r.
8	802	794	809	801	80.4	80.0	80.0	80.1	80.4	70.0	10.4	160.0	79.6	69.0	1.0	NNE.	NE.	168.6	75.3	77.0	79.0	77.1	802	889	979	923	78	87	96	87	...	00	6	b.	P. c.
9	935	967	940	947	80.3	81.0	80.0	80.4	90.0	70.0	20.0	149.0	59.0	69.0	1.0	NNE.	S.	170.1	75.4	77.0	76.0	76.1	816	875	845	645	82	83	82	82	...	00	6	b.	P. c.
10	935	965	980	960	80.0	80.4	80.0	80.1	85.4	70.1	15.3	140.0	54.6	70.0	0.1	NNE.	NE.	170.3	75.0	75.0	75.0	75.0	802	802	802	78	78	78	78	1.50	610	10	P. c.	P. o. r.	
11	787	792	789	792	80.0	83.0	80.2	81.0	85.2	70.4	14.8	155.0	69.8	70.0	0.4	NNE.	NE.	158.4	75.4	79.0	76.0	76.4	802	938	845	861	78	83	82	81	...	00	6	b.	P. c.
12	792	789	814	798	80.0	80.2	80.0	80.0	85.1	71.0	14.1	145.0	59.9	70.0	1.0	NNE.	NE.	157.8	77.0	75.4	74.0	75.4	889	802	760	817	87	78	74	79	...	04	6	b.	Cs. b.
13	799	799	812	803	80.0	83.0	82.0	81.6	85.0	71.0	14.0	152.0	67.0	70.0	1.0	NNE.	W.	142.0	78.0	79.0	78.0	78.3	933	938	906	925	91	83	83	85	.70	461	10	Cs. b.	P. c.
14	794	804	787	795	84.0	85.0	82.0	83.6	88.0	71.0	17.0	156.0	68.0	70.0	1.0	NNE.	W.	162.0	75.0	77.0	80.0	77.3	743	821	998	855	64	68	91	74	...	66	6	P. c.	P. c.
15	915	925	920	920	80.0	86.0	80.0	82.0	87.3	70.2	17.1	153.0	65.7	70.0	0.2	NNE.	NE.	150.0	75.0	78.0	75.0	76.0	802	852	832	818	78	68	78	74	...	60	0	b.	P. c.
16	900	901	912	904	80.2	85.0	82.0	82.4	85.2	70.0	15.2	155.0	69.8	69.0	1.0	NNE.	NE.	148.7	75.0	77.0	74.0	75.3	802	821	733	785	78	68	67	71	...	00	6	b.	P. c.
17	917	920	909	915	80.0	84.0	82.0	82.0	85.4	69.0	16.4	160.0	74.6	67.0	2.0	NNE.	NE.	144.6	75.2	76.0	75.0	75.4	802	791	776	789	75	68	71	72	...	46	0	Cs. b.	b.
18	899	897	897	897	80.2	84.0	60.0	81.4	85.0	69.0	16.0	159.0	74.0	68.0	1.0	NNE.	NE.	140.2	75.0	76.0	75.0	75.3	802	791	802	798	78	68	78	74	...	00	6	b.	P. c.
19	901	900	898	899	80.0	84.0	80.0	81.3	90.0	66.0	24.0	160.0	70.0	65.0	1.0	NNE.	W.	142.6	75.0	78.0	75.0	76.0	802	879	802	827	78	75	78	77	...	00	6	b.	P. c.
20	896	894	892	894	84.0	84.0	80.0	82.6	87.0	67.0	20.0	160.0	73.0	66.0	1.0	NNE.	W.	148.7	76.0	75.0	75.0	75.3	791	748	802	780	68	64	78	70	...	00	6	b.	P. c.
21	899	900	897	898	85.0	84.0	82.0	83.6	90.0	69.0	21.0	155.0	65.0	65.0	4.0	NNE.	W.	150.3	84.0	80.0	80.0	81.3	1154	971	998	1041	96	83	91	90	...	00	0	b.	P. c.
22	925	912	917	918	80.0	86.0	82.0	82.6	88.0	65.4	22.6	160.0	72.0	65.0	0.4	NNE.	W.	151.9	75.0	82.0	80.0	79.0	802	1040	998	946	78	54	91	84	...	00	0	b.	b.
23	925	920	901	915	85.0	87.0	82.0	84.6	90.0	70.0	20.0	170.0	80.0	69.0	1.0	NNE.	W.	147.5	77.0	80.0	80.0	79.0	821	931	998	916	68	72	91	77	...	00	0	b.	b.
24	917	914	900	910	85.0	86.0	82.0	84.3	90.0	70.0	20.0	164.0	74.0	69.0	1.0	NNE.	W.	169.5	84.0	85.0	80.0	83.0	1154	1192	998	1114	96	98	91	95	...	00	0	b.	b.
25	916	920	915	917	85.0	87.0	84.0	85.3	90.0	76.0	14.0	162.0	72.0	71.0	5.0	NNE.	W.	165.0	83.0	79.0	80.0	80.6	103	844	971	986	91	69	83	81	...	00	0	b.	b.
26	920	919	914	917	85.0	84.0	82.0	83.6	90.0	76.0	14.0	160.0	70.0	70.0	6.0	NNE.	W.	178.0	78.0	78.0	80.0	78.6	866	879	998	914	72	75	91	79	...	00	0	b.	b.
27	899	901	898	899	85.0	85.0	84.0	84.6	90.0	71.0	19.0	164.0	74.0	70.0	1.0	NNE.	W.	172.9	80.0	82.0	81.0	81.0	958	1054	1019	1007	79	87	87	84	...	00	0	b.	b.
28	902	912	900	904	86.0	87.0	84.0	85.6	90.0	72.0	18.0	163.0	73.0	71.0	1.0	NNE.	W.	160.1	78.0	80.0	80.0	79.3	852	931	918	68	72	83	74	...	00	0	b.	b.	
29	912	901	899	904	85.0	84.0	83.0	84.0	90.0	70.0	20.0	163.0	73.0	69.0	1.0	NE.	SW.	158.7	78.0	80.0	80.0	79.3	866	971	985	940	72	83	87	80	...	00	0	b.	b.
30	902	910	897	903	85.0	87.0	83.0	81.6	90.0	71.0	19.0	164.0</td																							

Highest Atmospheric Pressure

Lowest Atmospheric Pressure

Highest Temperatur

Lowest Temperature

Greatest Fall of Rain in 24 hours.

29.980 Inches

29.786 „

90.°0 Fah

65.[°]4 "

1.50 Inche

* The daily Mean Temperature of air is obtained from the results of the observations at 9 H., 15 H., 21 H., and Minimum Temperature.

W. HOAD,
Colonial Surgeon

REGISTER OF RAINFALL, FOR THE MONTH OF JANUARY, 1890.

STRAITS SETTLEMENTS

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st February, 1890.

T. C. MUGLISTON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF FEBRUARY, 1890.

STRAITS SETTLEMENTS.

Date.	SINGAPORE.	The Dindings.	MALACCA.	PENANG.	PROVINCE WELLESLEY.
1	9.91			P. and O. Co's Depôt, New Harbour.	
2	9.05			General Hospital, Sepoy Lines.	
3	12.47			Kandang Kerbau Hospital Observatory.	
4	12.66			Waterworks Reservoir, Saranggong.	
5	14.03			Pauper Hospital, Thomson Road.	
6	13.70			Kilkenny Estate, Tanglin..	
7	6.47			Quarantine Station, St. John's Island.	
8	10.64			Botanic Gardens.	
9	8.49			Holme Chase.	
10	10.82			Lumut.	
11	10.84			Ins. Pangkor Hospital.	
12	4.94			Ins. Ins. Lady Hill.	
13	6.24			Ins. Tranquerah.	
14	4.71			Ins. Ins. Banda Hilir.	
15	5.75			Town.	
16	2.88			Ins. Ins. Durian Daun.	
17	5.72			Ins. Ins. Kandang.	
18	5.51			Ins. Batang Tiga.	
19	5.77			Ins. Ins. Umbai.	
20	7.70			Ins. Ins. Jelotong.	
21	10.58			Ins. Ins. Merlemau.	
22	7.10			Ins. Ins. Sungai Udang.	
23	2.65			Ins. Ins. Nyalas.	
24	3.10			Ins. Ins. Pangkalan Balak.	
25	9.40			Ins. Ins. Kuala Linggi.	
26	2.03			Ins. Ins. Bukit Sabukor.	
27	4.75			Ins. Ins. Fort Cornwallis.	
28	0.55			Ins. Ins. Central Prison.	
Total inches.	10.82	5.30	5.17	9.69	6.32
Mean inches.					
	8.50				
	4.20				
	7.23				
	5.94				
	5.73				

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st March, 1890.

T. C. MUGLISTON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF MARCH, 1890.

Straits Settlements.

Date.	SINGAPORE.	The Dindings.	MALACCA.	PENANG.	PROVINCE WELLESLEY.
1	8.69	7.75	6.39	5.14	3.79
2	6.82				
3	9.91				
4	8.08				
5	10.90				
6	6.99				
7	4.11				
8	7.58				
9	6.81				
10	7.66				
11	6.74				
12	6.32				
13	6.08				
14	4.50				
15	2.75				
16	3.00				
17	3.18				
18	7.15				
19	4.09				
20	4.56				
21	5.75				
22	1.84				
23	4.98				
24	3.67				
25	8.50				
26	6.95				
27	5.60				
28	4.20				
29	7.50				
30	5.81				
31	3.65				
Total inches.					
Mean inches.					

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st April, 1890.

T. C. MUGLISTON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF APRIL, 1890.

STRAITS SETTLEMENTS

KANDANG KERBAU HOSPITAL OBSERVATORY
Singapore, 1st May, 1890.

T. C. MUGLISTON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF MAY, 1890.

Straits Settlements

Date.	SINGAPORE.	The Dindings	MALACCA.	PENANG.	PROVINCE WELLESLEY.
1	Ins. P. and O. Co's Dep't, New Harbour.	Ins. General Hospital, Sepoy Lines.	Ins. Waterworks Reservoir, Thomson Road.	Ins. Kandang Kerbau Hospital Observatory.	Ins. Pauper Hospital, Saranggong.
2	70	70	70	70	70
3	70	70	70	70	70
4	70	70	70	70	70
5	70	70	70	70	70
6	70	70	70	70	70
7	70	70	70	70	70
8	70	70	70	70	70
9	70	70	70	70	70
10	70	70	70	70	70
11	70	70	70	70	70
12	70	70	70	70	70
13	70	70	70	70	70
14	70	70	70	70	70
15	70	70	70	70	70
16	70	70	70	70	70
17	70	70	70	70	70
18	70	70	70	70	70
19	70	70	70	70	70
20	70	70	70	70	70
21	70	70	70	70	70
22	70	70	70	70	70
23	70	70	70	70	70
24	70	70	70	70	70
25	70	70	70	70	70
26	70	70	70	70	70
27	70	70	70	70	70
28	70	70	70	70	70
29	70	70	70	70	70
30	70	70	70	70	70
31	70	70	70	70	70
Total inches.	4.98	7.14	3.26	11.08	10.33
Mean inches.					

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st June, 1890.

T. C. MUGLISTON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF JUNE, 1890.

STRAITS SETTLEMENTS.

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st July, 1890.

MAX. F. SIMON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF JULY, 1890.

STRAITS SETTLEMENTS.

Date.	P. and O. Co's Dep't, New Harbour.		SINGAPORE.		The Dindings		MALACCA.		PENANG.		PROVINCE WELLESLEY.	
	Not Registered.	General Hospital, Sepoy Lines.	Kandang Kerbau Hospital Observatory.	Pauper Hospital, Saranggong.	Waterworks Reservoir, Thomson Road.	Killenny Estate, Tanglin.	Quarantine Station, St. John's Island.	Botanic Gardens.	Holme Chase.	Lumut.	Pangkor Hospital.	
17.68	Ins.	Ins.	70	75	1.09	.90	1.00	1.08	1.31	..	..
20.76	20.76	20.76	70	75	1.09	.90	1.00	1.08	1.31	..	..
18.52	18.52	18.52	70	75	1.09	.90	1.00	1.08	1.31	..	..
17.70	17.70	17.70	70	75	1.09	.90	1.00	1.08	1.31	..	..
21.14	21.14	21.14	70	75	1.09	.90	1.00	1.08	1.31	..	..
14.84	14.84	14.84	70	75	1.09	.90	1.00	1.08	1.31	..	..
21.88	21.88	21.88	70	75	1.09	.90	1.00	1.08	1.31	..	..
22.38	22.38	22.38	70	75	1.09	.90	1.00	1.08	1.31	..	..
7.07	7.07	7.07	70	75	1.09	.90	1.00	1.08	1.31	..	..
8.17	8.17	8.17	70	75	1.09	.90	1.00	1.08	1.31	..	..
8.85	8.85	8.85	70	75	1.09	.90	1.00	1.08	1.31	..	..
7.00	7.00	7.00	70	75	1.09	.90	1.00	1.08	1.31	..	..
7.10	7.10	7.10	70	75	1.09	.90	1.00	1.08	1.31	..	..
5.70	5.70	5.70	70	75	1.09	.90	1.00	1.08	1.31	..	..
11.45	11.45	11.45	70	75	1.09	.90	1.00	1.08	1.31	..	..
5.30	5.30	5.30	70	75	1.09	.90	1.00	1.08	1.31	..	..
2.60	2.60	2.60	70	75	1.09	.90	1.00	1.08	1.31	..	..
7.10	7.10	7.10	70	75	1.09	.90	1.00	1.08	1.31	..	..
4.60	4.60	4.60	70	75	1.09	.90	1.00	1.08	1.31	..	..
.20	.20	.20	70	75	1.09	.90	1.00	1.08	1.31	..	..
8.65	8.65	8.65	70	75	1.09	.90	1.00	1.08	1.31	..	..
3.86	3.86	3.86	70	75	1.09	.90	1.00	1.08	1.31	..	..
5.20	5.20	5.20	70	75	1.09	.90	1.00	1.08	1.31	..	..
1.30	1.30	1.30	70	75	1.09	.90	1.00	1.08	1.31	..	..
3.43	3.43	3.43	70	75	1.09	.90	1.00	1.08	1.31	..	..
10.61	10.61	10.61	70	75	1.09	.90	1.00	1.08	1.31	..	..
6.38	6.38	6.38	70	75	1.09	.90	1.00	1.08	1.31	..	..
9.86	9.86	9.86	70	75	1.09	.90	1.00	1.08	1.31	..	..
13.74	13.74	13.74	70	75	1.09	.90	1.00	1.08	1.31	..	..
20.42	20.42	20.42	70	75	1.09	.90	1.00	1.08	1.31	..	..
29.91	29.91	29.91	70	75	1.09	.90	1.00	1.08	1.31	..	..
20.98	20.98	20.98	70	75	1.09	.90	1.00	1.08	1.31	..	..
14.15	14.15	14.15	70	75	1.09	.90	1.00	1.08	1.31	..	..
13.90	13.90	13.90	70	75	1.09	.90	1.00	1.08	1.31	..	..
12.39	12.39	12.39	70	75	1.09	.90	1.00	1.08	1.31	..	..
10.49	10.49	10.49	70	75	1.09	.90	1.00	1.08	1.31	..	..
7.74	7.74	7.74	70	75	1.09	.90	1.00	1.08	1.31	..	..
Total inches.	19.64		7.73		6.19		21.26		11.73			
Mean inches.	19.64		7.73		6.19		21.26		11.73			

REGISTER OF RAINFALL, FOR THE MONTH OF AUGUST, 1890.

STRAITS SETTLEMENTS

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st September, 1890.

MAX. F. SIMON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF SEPTEMBER, 1890.

Straits Settlements

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st October, 1890.

MAX. F. SIMON,
Acting Principal Civil Medical Officer, Straits Settlements

REGISTER OF RAINFALL, FOR THE MONTH OF OCTOBER, 1890.

STRAITS SETTLEMENTS.

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st November, 1890.

MAX. F. SIMON,
Acting Principal Civil Medical Officer, Straits Settlements.

REGISTER OF RAINFALL, FOR THE MONTH OF NOVEMBER, 1890.

STRAITS SETTLEMENTS

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st December, 1890.

MAX. F. SIMON,
Acting Principal Civil Medical Officer, Straits Settlements

REGISTER OF RAINFALL, FOR THE MONTH OF DECEMBER, 1890.

STRAITS SETTLEMENTS.

Date.	P. and O. Co's Dep't New Harbour.	SINGAPORE.	The Dindings	MALACCA.	PENANG.	PROVINCE WELLESLEY.
1	Ins. Ins. Ins. Ins. Ins. Ins. Ins.	Not Registered.				
2	General Hospital, Sepoy Lines				
3	Kandang Kerbau Hospital Observatory				
4	Pauper Hospital, Sarangoong,				
5	Waterworks Reservoir, Thomson Road.				
6	Killenny Estate, Tanglin.				
7	Quarantine Station, St. John's Island.				
8	Botanic Gardens.				
9	50.1 Grange Road.				
10	Lady Hill.				
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
Total inches.	10.13	3.10	4.58	4.58	2.79	2.57
Mean inches.						

KANDANG KERBAU HOSPITAL OBSERVATORY,
Singapore, 1st January, 1891.

MAX. F. SIMON,
Acting Principal Civil Medical Officer, Straits Settlements

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